

PAINT DEPARTMENT: Review of Common Materials Used

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Prepared by



Introduction

This document is a summary of the hazards and precautions recommended when working with materials commonly used by the Paint Department members. The names of the commonly used products were provided by Jayne Mason and Gillian Richards, members of the IATSE Local 891 Paint Department.

The information contained in the following tables was taken from the Material Safety Data Sheets (MSDSs) with supplemental information from the WCB Table of Chemical and Biological substances. The tables have summarized some of the known or suspected hazards as reported on the MSDSs of specific products. The tables can be used to compare similar products with different hazardous properties. This document was not developed to exempt members from consulting the product's up-to-date MSDSs. However, it provides a quick overview of some of the hazards associated with the materials film industry painters use on a daily basis. The WHMIS requirement under the WCB Occupational Health and Safety Regulation (OHSR) will still have to be met by acquiring the actual MSDSs for the controlled products used at a work place.

How to Use the Summary Tables:

The different products were divided into types of material. For each table, the main hazardous ingredients in one or more of the example products are listed. This is not a complete list of ingredients. The next section lists the main routes of entry into a body for the chemical. Also, the known or suspected potential health effects are listed. Please note that a physician should be consulted to obtain a proper health diagnosis and one should not use the symptoms listed for self-diagnosis. Due to the nature of the activities conducted by the Paint Department members, recommendations for both ventilation and personal protective equipment should be observed. WHMIS classifications for the example products are also provided in the tables.

Keep in mind that the degree of controls may change depending on a number of factors, such as how much and how long the product is used, and how the product is applied. Therefore, further evaluation (e.g., exposure monitoring) may be required to determine necessary and/or additional PPE/ventilation.

Other workplace factors, such as working within a confined space or other potentially hazardous conditions have not been considered in these recommendations. These situations must be evaluated separately.

For more information on the exposure limits for the chemicals listed in the hazardous components section within these tables, see **Appendix A**. A full listing can be found in Part 5, Chemical Substance Table, Book 2 of the WCB OHSR.

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	Ma	terial Ty	oe:	Autoboo	dy Fillers	
Example Produc	ts:	Bondo (tw	о ра	rt), Red Glaz	zing Putty	
Main Hazardous Components		Styrene, To	luen	e, Xylene		
Potential Route(sof Entry	s)			_	application and orption, eye cont	
		Poten	tial I	Health Effec	<u>ts</u>	
Skin		Eyes	lı	nhalation	Ingestion	Chronic
May cause irritation, itching, burning, redness, drying of skin Note: Skin absorption can contribute to overall exposure	May cause irritation, redness, tearing, blurred vision and/or swelling		r c w h un	lay cause nasal and espiratory irritation, dizziness, reakness, fatigue, nausea, eadache, consciousess and or sphyxiation	May cause gastro- intestinal irritation, nausea, vomiting and diarrhea	Possible carcinogen and reproductive harm; eye, skin, lung, liver, kidney, blood and central nervous system damage observed in
Recommended Ventilation		cal exhaust v			ol vapour and d	lab animals ust exposure;
Recommended Personal	Sat	· · ·			to eyes, chemic	al resistant
Protective Equipment		OSH approve tridges;	ed air	-purifying res	spirator with orga	anic vapour
					spirator with orga n dust is genera	-
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.				
WHMIS Hazard	(3		B:	Flammable		
	7	シリ	D2:	Toxic Mate	rials	
See Material Safe first aid recomm	_		of the	e specific pr	oduct for furthe	er details and

	Materia	al Type: Epox	y Fillers		
Example Produc	ts: <i>Epox</i> y	Putty (Mohawk P	roduct)		
Main Hazardous Components	Ероху	resin, mercaptan p	olymer, phenol		
Potential Route(s	•	tion of vapours during, ingestion, eye co	•	nd dust when	
		otential Health Effe			
Skin	Eyes	Inhalation	Ingestion	Chronic	
May cause irritation Note: Skin absorption can contribute to overall exposure	May cause irritation	May cause dizziness, nausea, headache	May cause gastro- intestinal discomfort	Repeated overexposure to solvents may cause permanent brain and nervous system damage; may cause cancer or reproductive toxicity	
Recommended Ventilation		ral ventilation and lo our and dust exposu		tilation to	
Recommended	Safety glas	ses if eye contact is	likely to dust, ne	eoprene gloves.	
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges;				
_40.6	NIOSH approved air-purifying respirator with organic vapou cartridges and dust pre-filter if dust is generated.				
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.				
WHMIS Hazard		2: Toxic Materials			
See Material Safe first aid recomm	•	eet of the specific	product for furt	her details and	

		Materia	al Type: Stu	ссо		
Example Produc	ts:	Stucco Fil	Stucco Finish Coat (IMASCO/STOLIT)			
Main Hazardous Components		Crystalline	Silica (<1%)			
Potential Route(s)	Inhalation,	ingestion, skin co	ontact, eye conta	act	
		<u>Poten</u>	tial Health Effec	<u>ts</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
May dry skin, cause alkali burns		Oust can itate eyes	Dust may irritate upper respiratory tract	May irritate throat	Prolonged exposure to silica may increase risk of silicosis	
Recommended Ventilation		neral ventilat osure during	ion and local exh sanding.	aust ventilation	to control dust	
Recommended	Safe	ety glasses i	f eye contact is li	kely, rubber glov	es,	
Personal Protective	NIO	NIOSH approved air-purifying respirator with dust filters.				
Equipment			ation (e.g., exposure monitoring) may be required additional or upgrading of PPE.			
WHMIS Hazard	(D2: Tox	ic Materials			
See Material Saf			f the specific pr	oduct for furth	er details and	

		Materi	al Type: Fil	lers		
Example Produc	ts	Dyna-Pato	ch .			
Main Hazardous Components		Amorphou	s Fused Silica, M	ineral Spirits, Na	aphtha	
Potential Route(s	s)		ct, eye contact, ir from sanding	nhalation and ing	gestion of dust	
		Poten	tial Health Effec	<u>ts</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
May cause irritation	May cause irritation		May cause respiratory irritation from dust	May cause gastro- intestinal distress	Generally, excessive exposure to solvents may lead to CNS effects	
Recommended Ventilation		eral ventilat	ion and local exh t exposure.	aust ventilation	to control	
Recommended Personal		ety glasses i prolonged co	f eye contact is li	kely, chemical re	esistant gloves	
Protective Equipment		NIOSH approved air-purifying respirator with dust filters during sanding.				
			` • •	n (e.g., exposure monitoring) may be required tional or upgrading of PPE.		
WHMIS Hazard	(7	D2: Tox	kic Materials			
See Material Saf	•		of the specific pr	oduct for furth	er details and	

	Material Type: Pre-mixed Fillers I					
Example Produc	ts:	Poly-Filla	Poly-Filla			
Main Hazardous Components		None listed	t			
Potential Route(s	s)	Inhalation	of dust if generate	ed, ingestion, ey	e contact	
		<u>Poten</u>	tial Health Effec	<u>ts</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
Not known to be absorbed by skin		Oust may se irritation	May cause irritation	May cause gastro- intestinal distress	None known	
Recommended Ventilation		•	entilation with loc osure when sand		ation to	
Recommended Personal		ety glasses fonged conta	for dust, chemical	l resistant gloves	s during	
Protective Equipment		OSH approved air-purifying respirator with dust filters when perating dust.				
	Further evaluation (e.g., exposure monitoring) may be requited to determine additional or upgrading of PPE.			ay be required		
WHMIS Hazard	Not	Not a controlled product				
See Material Safe first aid recomm	•		of the specific pr	oduct for furthe	er details and	

Material Type: Pre-mixed Fillers II							
Example Produc	ts:	Joint Com	pound, Concret	te Fill			
Main Hazardous Components		Crystalline	Silica (0.1-1.5%))			
Potential Route(s)	Inhalation eye contact	of dust if generate t	ed, ingestion, sk	in contact,		
		<u>Poten</u>	tial Health Effec	ts			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation	cau	Oust may se irritation scratching	Dust may cause throat, nose and respiratory, irritation and soreness	May cause gastro- intestinal distress	Long term exposure may cause silicosis, possible carcinogen		
Recommended Ventilation		•	entilation with loc osure when sand		ation to		
Recommended Personal Protective Equipment	dryr NIO	ness, SH approve	for dust, chemicand air-purifying respecting dust.	· ·	·		
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Hazard	(1	D2: To	oxic Materials				
See Material Saf	_		of the specific pr	oduct for furth	er details and		

		Material	Type: Dry F	Fillers			
Example Produc	ts:	Synko Ru Plaster	Synko Rufftex, Synko Span Tex, Perlite Hardwall Plaster				
Main Hazardous Components		Crystalline	silica (0.1-1.5%)				
Potential Route(s	s)	Inhalation,	Inhalation, ingestion, skin and eye contact				
		<u>Poten</u>	tial Health Effec	ts.			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation	cau	t may se irritation scratching	Dust may cause throat, nose and respiratory, irritation and soreness	May cause gastro-intestinal distress	Long term exposure may cause silicosis, possible carcinogen		
Recommended Ventilation		neral ventilat osure.	ion and local exh	aust ventilation	to control dust		
Recommended	Safe	ety glasses f	or dust, chemica	I resistant gloves	5,		
Personal Protective Equipment		NIOSH approved air-purifying respirator with P100 (for silica dust) when generating dust.					
			er evaluation (e.g., exposure monitoring) may be required ermine additional or upgrading of PPE.				
WHMIS Hazard	1	D2: To	oxic Materials				
See Material Saf	_		of the specific pr	oduct for furth	er details and		

	N	laterial T	ype: Block	Fillers		
Example Produc	ts:	MooreSpec Latex Satin-Fil Coating				
Main Hazardous Components		Propylene	Glycol, Ethylene	Glycol Phenyl E	ther	
Potential Route(sof Entry	s)	Inhalation,	ingestion, skin ar	nd eye contact		
_		Poten	tial Health Effec	<u>ts</u>	_	
Skin		Eyes	Inhalation	Ingestion	Chronic	
May cause irritation		ay cause d irritation	Vapour concentration is low at room temperature; vapours are unlikely to cause adverse health effects	May cause irritation of the lining of stomach; nausea, discomfort, central nervous depression and vomiting	Generally, excessive exposure may lead to CNS health effects	
Recommended Ventilation			ion and local exh		o control	
Recommended Personal		ety glasses i stant gloves	f contact with spr	ay /mist if likely,	chemical	
Protective Equipment			d air-purifying res lust/mist pre-filter		anic vapour	
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Hazard	J	D2: T	oxic Materials			
See Material Safe first aid recomm	_		of the specific pr	oduct for furthe	er details and	

	Mataria	. T				
	Materia	ıl Type: Foa	mcoats			
Example Produc	ts: Rosco F	oamcoat				
Main Hazardous Components	Acrylic po	lymer, Calcium ca	arbonate			
Potential Route(sof Entry	s) Inhalation contact	of vapour and du	ust, ingestion, s	skin contact, eye		
	Pot	ential Health Effo	<u>ects</u>			
Skin	Eyes	Inhalation	Ingestion	Chronic		
May cause irritation	Dust may cause irritation and corneal abrasion from dust	Dust, mist and vapours may irritate nose, throat and lungs; may cause headaches, dizziness, vomiting and nausea at high concentrations	May cause abdominal discomfort and pain; dizziness, CNS depression	Severe kidney damage with prolonged exposure		
Recommended Ventilation		ventilation, with a y/mist, vapours, a	•	exhaust ventilation		
Recommended	Splash proof s	afety goggles if co	ontact is likely,	neoprene gloves;		
Personal Protective Equipment		red air-purifying re a dust/mist pre-fi	•	•		
	NIOSH approvious	ed air-purifying re	espirator with d	ust filter when		
		Further evaluation (e.g., exposure monitoring) may be required t determine additional or upgrading of PPE.				
WHMIS Class		2B: Toxic Materia	ls			
See Material Safe first aid recomm		of the specific p	roduct for fur	ther details and		

	Materi	al Type: Adhe	esives I			
Example Produc	Example Products: AW-16 Carpenter's Glue (yellow)					
Main Hazardous Components	Ethylene	glycol				
Potential Route(s	s) Inhalatio	on, ingestion, skin at	osorption, eye con	tact		
	Po	tential Health Effe	<u>cts</u>			
Skin	Eyes	Inhalation	Ingestion	Chronic		
May cause irritation with contact	May cause irritation with contact	No known effect	May cause stomach disturbance	Prolonged or repeated contact may		
Note: Skin absorption can contribute to overall exposure				cause irritation		
Recommended Ventilation	Use in well ve	entilated area.				
Recommended Personal	Splash gogglecontact.	es and chemical res	sistant gloves to av	oid prolonged		
Protective Equipment	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Hazard	Not a controll	Not a controlled product				
See Material Safe first aid recomm		t of the specific pr	oduct for further	details and		

	Material Type: Adhesives II							
Example Produc	ts:	Rainbow I	R-832L					
Main Hazardous Components		Polychlorp	rene latex (beta-chlo	proprene)				
Potential Route(s	s)	Inhalation,	ingestion, skin conta	act, eye contact				
		Poten	tial Health Effects					
Skin		Eyes	Inhalation	Ingestion	Chronic			
Repeated contact may result in irritation Note: Skin absorption can contribute to overall exposure	irrita caus dam rem	cause ation, se tissue nage if not oved perly	May be irritation to respiratory tract	May cause stomach distress	Chronic effects not listed			
Recommended Ventilation		in well vent trol vapour e	ilated area with loca exposure.	l exhaust ventila	ation to			
Recommended	Spla	ash goggles	if contact is likely, ir	npervious rubbe	er gloves,			
Personal Protective Equipment		SH approve	d air-purifying respinaying.	ator with organi	c vapour			
Ечиричени	Further evaluation (e.g., exposure monitoring) may be reto determine additional or upgrading of PPE.							
WHMIS Hazard	(1	D2: 7	Toxic Materials					
See Material Safe	_		of the specific prod	uct for further	details and			

	Material Type: Adhesives III					
Example Produc	ts:	3M Super	77 Spray Adhesive			
Main Hazardous Components		Hexane, P	ropane, Dimethyl Eth	ner		
Potential Route(s	s)	Inhalation,	ingestion, skin abso	rption, eye cont	act	
		<u>Poten</u>	tial Health Effects			
Skin		Eyes	Inhalation	Ingestion	Chronic	
May cause irritation, redness, swelling and itching Note: Skin absorption can contribute to overall exposure	May cause irritation, redness, swelling, pain, tearing, and hazy vision		May result in soreness of nose and throat, coughing and sneezing, headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness	May cause stomach distress	Inhalation of high concentrat ion may be harmful or fatal	
Recommended Ventilation			ilated area and local exposure (use explos			
Recommended Personal			with side shields to p om nitrile, PVA, Teflo	•	spray/mist,	
Protective Equipment	l .	SH approve ridges.	d air-purifying respira	ator with organi	c vapour	
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.				
WHMIS Hazard	(36)		B5: Flammable A	erosol		
			D2: Toxic Material	S		
See Material Safe first aid recomm	•		of the specific produ	uct for further	details and	

	Material Type: Adhesives IV					
Example Produc	ts:	Polyureth	ane Glue (Probond)		
Main Hazardous Components		MDI (isocy	anate) 10-30%			
Potential Route(sof Entry	s)	Inhalation,	ingestion, skin abso	rption, eye cont	act	
_		Poten	tial Health Effects			
Skin		Eyes	Inhalation	Ingestion	Chronic	
May result in irritation and allergic reactions.	May irrita	cause ation	May result in sensitization; irritation of nose, throat and lungs	May result in burns or irritation to mucous	May cause lung damage	
Isocyanate is a strong sensitizer				membranes, esophagus or GI tract		
Required Ventilation	Loca	al exhaust v	entilation to control v	/apour exposure	€.	
Required Personal		•	fety goggles if conta to prevent contact,	ct is likely, cher	nical	
Protective Equipment			d air purifying respir	_	c vapour	
	Mus	t wear supp	lied air respirator wh	nen spraying.		
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.				
WHMIS Hazard	D1 Serious Toxic Materials					
	D2 Toxic Materials					
Note: This product contains an isocyanate. Substitute for less hazardous material, whenever possible.						
See Material Safe first aid recomm	_		of the specific produ	uct for further	details and	

Material Type: Thinners and Solvents I						
Example Produc	ts:	Van-Sol 7	15, Mineral Sp	irits, Paint Thii	nner	
Main Hazardous Components		Petroleum	solvent			
Potential Route(s	s)	Inhalation,	ingestion, skin	contact		
		Pote	ntial Health Ef	<u>fects</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
May dry skin upon repeated contact, leading to irritation and dermatitis	mod	ours are lerately ting to the	May irritate the respiratory passages	If liquid aspirated into lungs, may cause severe inflammation	Prolonged exposure to high concentration of vapour may lead to central nervous	
Note: Skin absorption can contribute to overall exposure				of the lung	system depression.	
Recommended Ventilation		•		exhaust ventila n proof equipmo		
Recommended Personal		sh proof sa		protection from	n eye contact, Viton	
Protective Equipment		NIOSH approved air-purifying respirator with organic vapour cartridges.				
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Hazard		B3: C	ombustible liqu	id		
See Material Safe first aid recomme	_		f the specific	product for fur	ther details and	

Ма	Material Type: Thinners and Solvents II						
Example Produc	ts:	Toluene					
Main Hazardous Components		Toluene					
Potential Route(s	s)	Inhalation,	ingestion, skin a	absorption, eye	contact		
_		Pote	ntial Health Effo	ects			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause rash (dermatitis) Note: skin absorption of toluene will contribute to the overall exposure		our may rritating	High vapour concentration may be irritating; headache, dizziness, anesthesia, drowsiness; and can be fatal	May be fatal if swallowed; if liquid aspirated into lungs, may cause severe pulmonary damage	Generally, overexposure to solvents may lead to CNS disturbances, possible liver and reproductive effects		
Recommended Ventilation			entilation to cont equipment).	trol vapour expo	osure (use		
Recommended Personal		ash proof sa bhol gloves,	fety goggles whe	en contact is lik	ely, Polyvinyl		
Protective Equipment		NIOSH approved air-purifying respirator with organic vapour cartridges.					
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Hazard	(X		2: Flammable lic	quid			
			2: Toxic Materia	lls			
See Material Safe first aid recomm	•		of the specific p	roduct for furt	her details and		

Ма	Material Type: Thinners and Solvents III						
Example Produc	ts:	Acetone					
Main Hazardous Components		Acetone					
Potential Route(s	s)	Inhalation	, ingestion, skin a	absorption, eye	contact		
		<u>Pot</u>	ential Health Effo	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation, dermatitis	infla redr	cause mmation, ness,	Vapours can irritate the nose and	Harmful if ingested	Long term skin contact can cause dryness, irritation,		
Note: Skin absorption may contribute to overall exposure	wate itchi	ering and ng	throat, headaches, dizziness at high concentrations		cracking of skin; may cause dizziness, loss of strength		
Recommended Ventilation		al exhaust of equipme	ventilation to cont	trol vapour exp	osure (explosion		
Recommended	Spla	ash proof s	afety goggles whe	en contact is lil	kely, rubber gloves;		
Personal Protective Equipment		OSH approved air-purifying respirator with organic vapour tridges.					
Ечирпіст		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Hazard	B2		B2: Flammable liquid				
	D2B: Toxic Materials						
See Material Safe first aid recomm	_		of the specific p	roduct for fur	ther details and		

Ma	Material Type: Thinners and Solvents IV						
Example Produc	ts:	Muriatic Acid					
Main Hazardous Components		Hydrochlo	ric acid				
Potential Route(sof Entry	s)	Inhalation	, ingestion, skin o	contact, eye co	ontact		
		Pote	ential Health Eff	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Corrosive, itching, scaling, reddening, blistering, burns	may eye infla redr	rosive, damage tissue, mmation, ness, ering and ng	Inhalation of mist/spray may produce severe irritation of respiratory tract, coughing, choking and shortness of breath	May cause irritation of GI tract, corrosive	May produce respiratory irritation leading to frequent bronchial infection		
Recommended Ventilation	Goo	od general v	entilation				
Recommended Personal Protective Equipment	rubk NIO Furt	Splash proof safety goggles or face shield if contact is likely, ubber or neoprene gloves, NIOSH approved air-purifying respirator with acid gas cartridges. Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Hazard	Q	E: Cor	rosive				
See Material Safe first aid recomm	_		of the specific p	roduct for fur	ther details and		

Ма	Material Type: Thinners and Solvents V						
Example Produc	ts:	Cloverdale Thinner #19,					
		Vanblend	Canco Lacquei	r Thinner			
Main Hazardous Components		Toluene, M	lethanol, Methyl	Ethyl Ketone			
Potential Route(sof Entry	s)	Inhalation,	ingestion, skin a	absorption, eye	contact		
		Pote	ntial Health Eff	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation, itching, scaling, reddening or blistering Note: Skin absorption can contribute to the overall exposure	irrita redr	r cause ation, ness, ering and ng	May be fatal if inhaled in high amounts	May be fatal if swallowed large amounts; if liquid aspirated into lungs, may cause severe pulmonary damage	Repeated or prolonged exposure can produce target organs damage; toxic to blood, kidneys, nervous system and liver		
Recommended Ventilation		•	entilation with looe (use explosion		ntilation to control ent)		
Recommended	Spla	ash proof sa	fety goggles if co	ontact is likely,	impervious gloves,		
Personal Protective Equipment		SH approve ridges.	d air-purifying re	espirator with o	rganic vapour		
Ефарион		ther evaluation (e.g., exposure monitoring) may be required to ermine additional or upgrading of PPE.					
WHMIS Hazard	(X)		B: Flammable				
	U	クリ	D1A: Serious To	xic Materials			
See Material Saf	_		of the specific p	roduct for fur	ther details and		

Ma	Material Type: Thinners and Solvents VI					
Example Produc	ts:	Methyl Hy	Methyl Hydrate (Methanol, Methyl Alcohol)			
Main Hazardous Components		Methanol				
Potential Route(sof Entry	s)	Inhalation,	ingestion, skin a	absorption, eye	e contact	
		Pote	ential Health Eff	<u>ects</u>		
Skin	Eye	s	Inhalation	Ingestion	Chronic	
May cause irritation	irrita infla	cause ation, mmation, ness,	May cause upper respiratory irritation,	May cause CNS depression (dizziness,	May cause toxic effects to nervous system; dry skin, impaired vision;	
Note: skin absorption can contribute to the overall exposure		ering and	headache, nausea, and narcosis	confusion), blindness; may be fatal	affect liver	
Recommended Ventilation			tilated area with centrations (use		ventilation to control of equipment).	
Recommended Personal		ash proof sa per gloves,	fety goggles if co	ontact is likely,	nitrile, neoprene or	
Protective Equipment		SH approveridges.	ed air-purifying re	espirator with o	rganic vapour	
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.				
WHMIS Hazard	(3)		B: Flammable			
		D1A: Serious Toxic Materials				
See Material Safe first aid recomm			of the specific p	roduct for fur	ther details and	

Material Type: Thinners and Solvents VII				s VII		
Example Produc	ts:	Xylene				
Main Hazardous Components		Xylene				
Potential Route(s	s)	Inhalation,	ingestion, skin a	absorption, eye o	contact	
		<u>Pote</u>	ntial Health Eff	<u>ects</u>		
Skin	Eye	s	Inhalation	Ingestion	Chronic	
May cause irritation Note: skin	irrita infla redr wate	cause ation, ammation, ness, ering and ng	May cause respiratory irritation (>1000 ppm), headache, nausea, and	May cause severe pulmonary distress if small amount is aspirated	May cause toxic effects to nervous system; signs of hearing loss	
absorption can contribute to the overall exposure	itching		death	into lungs during ingestion		
Recommended Ventilation				local exhaust ve explosion proof	ntilation to control equipment).	
Recommended	Spla	ash proof sa	fety goggles if co	ontact is likely, F	VA gloves,	
Personal Protective Equipment		SH approve ridges.	d air-purifying re	espirator with org	ganic vapour	
Ечанринен		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.				
WHMIS Hazard	(7		B2: Flammable)		
	U		D2A: Serious T	oxic Materials		
See Material Safe first aid recomm			of the specific p	roduct for furth	ner details and	

	Material Type: Aerosols						
Example Produc	ts:		Bronzetone, Dulling Spray, Matte Finish, Clear Finish, Mohawk Toners				
Main Hazardous Components		Acetone, X Iron oxide	ylene, Ethyl Ber	nzene, Propane, E	Butane, Toluene,		
Potential Route(s of Entry	s)	Inhalation, contact	ingestion, skin a	absorption, skin co	ontact, eye		
		Pote	ntial Health Eff	<u>ects</u>			
Skin	Eye	s	Inhalation	Ingestion	Chronic		
May cause irritation, allergic reactions, defatting, drying and rash Note: Skin absorption can contribute to overall exposure	pain redo swe sting	cause tearing, dening and lling, ging sation	May cause nausea, headache, dizziness, decreased blood pressure, changes in heart rate and cyanosis	May be fatal if swallowed; irritating to mouth, throat and stomach	Overexposure to solvents have been associated with permanent brain and nervous system damage; possible liver, reproductive hazard		
Recommended Ventilation				local exhaust ven osion proof equipr			
Recommended Personal		ash proof sa es for long o		en spraying, rubbe	er or neoprene		
Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges;						
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Hazard	(x	B: Flammable Aerosol					
	(L)		D2: Toxic Mate	erials			
See Material Safe first aid recomm	_		of the specific p	roduct for furthe	er details and		

		Materi	al Type: Wa	axes I		
Example Produc	ts:	Clapham's	Clapham's Beeswax Polish			
Main Hazardous Components		Mineral Sp	irits			
Potential Route(s)	Inhalation,	ingestion, skin co	ontact, eye contac	t	
		Pote	ntial Health Effe	cts		
Skin	Eye	s	Inhalation	Ingestion	Chronic	
May cause minor irritation	tran	cause sient	When heated, vapour and	May cause mild gastrointestinal	Dermatitis may result	
Note: Skin absorption can contribute to overall exposure	as s tear redr	ation such stinging, ing, ness and Iling	mist are irritating to respiratory passages	irritation	from repeated and/or prolonged skin exposure	
Recommended Ventilation		od general vo our exposur		al exhaust ventilat	ion to reduce	
Recommended	Poly	vinyl alcoho	ol (PVA) gloves fo	or prolonged conta	ct;	
Personal Protective Equipment		SH approve		spirator with orgar	ic vapour	
Ефирион		Further evaluation (e.g., exposure monitoring) may be required to letermine additional or upgrading of PPE.				
WHMIS Class	(1)	B4: Flammable Solids				
	1		D2B: Toxic Ma	terials		
See Material Safe first aid recomm			of the specific pr	oduct for further	details and	

	Mate	rial Type: Wa	axes II				
Example Product	s: Old Mas	Old Masters Paste Wax					
Main Hazardous Components	Stoddar	d Solvent (mineral	spirits)				
Potential Route(s of Entry) Inhalatio	n, ingestion, skin o	contact, eye conta	ct			
	<u>Pc</u>	tential Health Eff	<u>ects</u>				
Skin	Eyes	Inhalation	Ingestion	Chronic			
May cause drying of skin Note: Skin absorption can contribute to overall exposure	May cause severe irritation	Excessive inhalation causes headache, dizziness, and nausea	May cause gastrointestinal distress	May cause damage to the central nervous system, respiratory system, lung, eye, skin, liver, GI tract, spleen, kidneys and blood			
Recommended Ventilation	Good genera vapour expo	al ventilation and lo sure.	ocal exhaust ventil	ation to reduce			
Recommended Personal		les if contact is like for prolonged con		nol, neoprene or			
Protective Equipment	NIOSH appr cartridges.	oved air- purifying	respirator with org	ganic vapour			
		rther evaluation (e.g., exposure monitoring) may be required determine additional or upgrading of PPE.					
WHMIS Class	A	B4: Flammable Solids					
	WW	D2B: Toxic I	Materials				
See Material Safe first aid recomme		t of the specific p	roduct for furthe	r details and			

	Material Type: Scenic Paints I						
Example Products:		Scenic Latex Flat Paint in various colours					
		(Coast Decorating)					
Main Hazardous		Ethylene G	Slycol				
Components		MSDS. Ho ingredients	Ingredients for specific colours are not provided on the MSDS. However, it is likely that similar hazardous ingredients, such as lead chromium, are contained within certain colours. See MSDS review of Cloverdale products.				
Potential Route(s	s)	Inhalation, mist	ingestion, skin co	ontact, eye co	ontact of vapour and		
		Pote	ntial Health Effe	ects			
Skin	Eye	s	Inhalation	Ingestion	Chronic		
May cause drying of skin	mist	iid and : may se irritation	Mists during spraying may cause upper respiratory irritation	May cause dizziness, nausea, and abdominal pains	High exposures to mists, vapours, or ingestion of large amounts may cause kidney damage or CNS depression		
Recommended Ventilation			entilation, sandin local exhaust ver		heating to be		
Recommended	Spla	ash proof sa	fety goggles if co	ntact is likely,	rubber gloves,		
Personal Protective Equipment		SH approve ridges;	d air-purifying res	spirator with c	organic vapour		
qагріпопі			d air-purifying res hen sanding or s		organic vapour and		
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Class	(1) D2	2: Toxic Material				
See Material Safe				oduct since	different colours		
Consult MSDS fo	or firs	st aid recon	nmendations.				

	M	aterial '	Type: Sce	nic Paints II			
Example Products:		Take One Scenic Paint in various colours					
		(Cloverdale Product)					
Main Hazardous Components		Propylene glycol, ethylene glycol, lead chromium (in chrome yellow, moly orange, chromakey green), chromium oxide (in chromium oxide green)					
Potential Route(s of Entry)	Inhalation, ingestion, skin contact, eye contact					
		Po	tential Health	Effects			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause minor irritation	irrit tea red	y cause ation, ring, Iness d blurred ion	Excessive exposure to vapours and mist may cause minor irritation to nose and throat	May cause gastrointestinal irritation, vomiting, nausea and diarrhea	Prolonged or repeated exposure may cause adverse health effects with the blood, GI, nervous and reproductive system. Chromium compounds are known to cause cancer		
Recommended Ventilation		Good general ventilation; spraying, sanding and heating of product to be conducted with local exhaust ventilation.					
Recommended	Spl	Splash proof safety goggles if contact is likely, rubber gloves,					
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges;						
Ечиртоп		NIOSH approved air-purifying respirator with organic vapour and dust/mist filter when sanding or spraying.					
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class	6	D2A: Very Toxic Material					
	See Material Safety Data Sheet of the specific product since different colours have different hazardous ingredients. Consult MSDS for first aid recommendations.						

Material Type: Water-based Primers I							
<u> </u>		Fresh Start Acrylic All Purpose Primer (Benjamin Moore)					
Main Hazardous No Components		None listed	t				
Potential Route(s) of Entry		Inhalation, ingestion, skin contact, eye contact					
		<u>Pote</u>	ntial Health Effe	<u>cts</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation with prolonged contact	mild	cause I irritation contact	Vapours and mist may be irritating at high concentrations	May cause irritation of the lining of the stomach	No chronic effects stated		
Recommended	Goo	Good general ventilation;					
Ventilation	Spraying to be conducted with local exhaust ventilation.						
Recommended Personal	Splash proof safety goggles if contact is likely, chemical resistant gloves for prolonged contact,						
Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges and mist filter when spray mist is generated or work in areas with poor ventilation.						
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class	Not a controlled product						
See Material Safe first aid recomm	_		of the specific pr	oduct for fur	ther details and		

Material Type: Water-based Primers II							
Example Products:		Bulls Eye 1-2-3, Sheildz					
Main Hazardous Components		Ethylene (Glycol, Zinc Oxide	, Titanium Dio	kide		
Potential Route(s	s)	Eye conta	ct, skin contact				
		Pote	ential Health Effe	<u>cts</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Absorption through skin contact is not likely	May cause irritation		May cause irritation in high concentrations	Not considered a significant route of exposure during intended use	No chronic effects stated		
Recommended Ventilation		Good general ventilation; spraying to be conducted with local exhaust ventilation.					
Recommended Personal	Splash proof safety goggles if contact is likely, chemical resistant gloves for prolonged contact,						
Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges with dust/mist filter when spraying or sanding or work in areas with poor ventilation.						
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class	D2B: Toxic Materials						
See Material Safe first aid recomm	•		of the specific pr	oduct for furt	her details and		

Material Type: Water-based Primers III						
Example Products:		Interior/E	xterior Acrylic P	rimer (ICIPaint	s/Glidden)	
Main Hazardous Components		Acrylic res	in, titanium oxide			
Potential Route(s	s)	Inhalation	ingestion, skin co	ontact, eye con	tact	
		Pote	ential Health Effe	ects		
Skin		Eyes	Inhalation	Ingestion	Chronic	
May cause irritation	May cause irritation		Prolonged inhalation may lead to coughing	May cause mouth and throat irritation and GI disturbances	None stated	
Recommended Ventilation		od general v aust ventila	rentilation; sprayir tion.	ng to be conduc	ted with local	
Recommended Personal Protective Equipment	Splash proof safety goggles if contact is likely, chemical resistant gloves, NIOSH approved air purifying organic vapour respirator with dust/mist filter when spraying or sanding or work in areas with poor ventilation.					
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Class	D2B: Toxic Material					
See Material Safe	_		of the specific pr	oduct for furth	ner details and	

Material Type: Water-based Primers IV							
Example Produc	ts:	Interior/Exterior Latex Wood Primer (Cloverdale)					
Main Hazardous Components		Propylene	Glycol (0.5-1.5%	b)			
Potential Route(s) of Entry		Inhalation	, ingestion, skin c	ontact, eye co	ntact		
		Pote	ential Health Effe	ects			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Minor irritation, dries skin, dermatitis	Minor irritation, tearing, redness and blurred vision		May cause irritation of nose, throat and respiratory tract	May cause GI irritation, vomiting, nausea and diarrhea	No chronic health effects mentioned		
Recommended Ventilation	l .	Good general ventilation; spraying to be conducted with local exhaust ventilation and where product is heated.					
Recommended	Spla	Splash proof safety goggles if contact is likely, rubber gloves,					
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges with dust/mist filter when spraying or sanding or work in areas with poor ventilation.						
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class	Not	Not a controlled product					
See Material Safe first aid recomm			of the specific p	roduct for fur	ther details and		

Material Type: Water-based Primers V						
Example Products:		Latex Speed Primer (Cloverdale)				
Main Hazardous Components		Propylene Glycol (1-5%), Ethylene Glycol Monobutyl Ether (0.5-1.5%)				
Potential Route(s) of Entry		Inhalation, ingestion, skin contact, eye contact				
	•	<u>Pote</u>	ntial Health Effe	<u>cts</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
Minor irritation, dries skin, dermatitis	Minor irritation, tearing,		May cause irritation of nose, throat	May cause GI irritation,	Repeated overexposure may result in	
Note: Skin absorption can contribute to overall exposure	redness and blurred vision		and respiratory tract	vomiting, nausea and diarrhea	damage to the blood	
Recommended Ventilation	Good general ventilation; spraying and sanding to be conducted with local exhaust ventilation and where product is heated.					
Recommended	Spla	Splash proof safety goggles if contact is likely, rubber gloves,				
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges with dust/mist filter when spraying or sanding or wor in areas with poor ventilation.					
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Class	D1B: Toxic Material					
See Material Safe first aid recomm	_		of the specific pr	oduct for fur	ther details and	

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Material Type: Water-based Primers VI							
Example Products:		Ciltone Satin Latex (Glidden Paint)					
Main Hazardous Components		Propylene Glycol (1-5%), Titanium Dioxide					
Potential Route(s) of Entry		Inhalation contact	n, ingestion, skin o	contact, skin abs	orption, eye		
		Pot	tential Health Effo	ects			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Minor irritation, dries skin, dermatitis Note: Skin absorption can contribute to overall exposure	Minor irritation, tearing		May cause irritation of respiratory tract and lungs	May cause mouth and throat irritation, vomiting, GI disturbances, CNS depression and kidney damage	Repeated overexposure may result in allergic response to skin		
Recommended Ventilation	Good general ventilation; spraying and sanding to be conducted with local exhaust ventilation.						
Recommended	Splash proof safety goggles if o			ontact is likely, rubber gloves,			
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges with dust/mist filter when sanding or spraying or work in areas with poor ventilation.						
	Further evaluation (e.g., exposure monitoring) may be required determine additional or upgrading of PPE.						
WHMIS Class	D2B: Toxic Material						
See Material Saf			of the specific p	roduct for furth	ner details and		

Material Type: Plastic Primers							
Example Products:		Interior Latex Plastic Primer (General Paint)					
Main Hazardous Components		Diethylene Glycol Monomethyl Ether (1-5%)					
Potential Route(s) of Entry		Inhalation,	ingestion, skin co	ontact, eye co	ntact		
		Pote	ntial Health Effe	<u>cts</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation upon repeated or prolonged contact	May cause conjunctivitis, mild transient corneal injury, or other tissue damage		May cause headache, nausea, dizziness, headache, irritation of nose, throat, lungs	May cause GI irritation, nausea, vomiting, diarrhea	Diethylene glycol monomethyl ether may be associated with female and male reproductive effects in animals		
Recommended Ventilation	l .	Good general ventilation; spraying to be conducted with local exhaust ventilation.					
Recommended Personal Protective	Splash proof safety goggles if contact is likely, chemical resistar gloves,						
Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges with mist filter when spraying or work in areas with poor ventilation.						
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class Not a controlled product							
See Material Safe first aid recomm	_		of the specific pr	oduct for fur	ther details and		

	Material Type: Metal Primers I						
Example Produc	ts:	Ecologic DTM Enamel (Cloverdale)					
Main Hazardous Components		None listed MSDS	d, however preca	utions should	be followed as per		
Potential Route(s) of Entry		Inhalation, ingestion, skin contact, eye contact					
		Pote	ntial Health Effe	ects			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause mild irritation, dry skin, dermatitis	May cause mild irritation, tearing, blurred vision, redness		Minor irritation to nose, throat	May cause gastrointes tinal irritation, vomiting, nausea, diarrhea	No chronic effects stated		
Recommended Ventilation		od general v aust ventilat	entilation; sprayin	ng to be condu	ucted with local		
Recommended	Spla	ash proof sa	fety goggles if co	ntact is likely,	rubber gloves,		
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges with mist filter to protect against spray mist or work in areas with poor ventilation.						
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class	Not	Not a controlled product					
See Material Safe first aid recomm			of the specific pr	oduct for fur	ther details and		

	M	aterial T	ype: Metal F	Primers II			
Example Produc	ts:	DTM Acrylic Semi-Gloss (Benjamin Moore)					
Main Hazardous Components		Propylene	Propylene glycol				
Potential Route(s)	Inhalation,	ingestion, skin co	ontact, eye co	ntact		
		Pote	ential Health Effe	ects			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Spray/mist may cause irritation, possible sensitizer	Spray/mist may cause irritation, not expected to cause tissue damage		Overexposure may cause central nervous system effects, nausea, headache, dizziness	May cause abdominal discomfort and pain, dizziness, CNS depression	Long term exposure may lead to kidney damage		
Recommended Ventilation		od general v aust ventila	rentilation; sprayir	ng to be condu	ucted with local		
Recommended Personal	Spla glov	•	afety goggles if co	ntact is likely,	chemical resistant		
Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges with mist filter to protect against spray mist or work in areas with poor ventilation.						
		urther evaluation (e.g., exposure monitoring) may be required to etermine additional or upgrading of PPE.					
WHMIS Class	(7	D2B: Toxic Material					
See Material Saf	_		of the specific pr	oduct for fur	ther details and		

	Material Type: Metal Primers III						
Example Produc	ts: N	Metal Primer Grey (Cloverdale)					
Main Hazardous Components		etroleum	light distillate, Lig	ht naphtha			
Potential Route(s	s) Ir	nhalation,	ingestion, skin co	ontact, eye co	ntact		
		Pote	ntial Health Effe	<u>cts</u>			
Skin	Е	yes	Inhalation	Ingestion	Chronic		
May dry skin causing cracks, dermatitis	May ca severe irritation tearing redness blurred	e on, J,	May cause respiratory irritation, dizziness, breathing difficulty, headaches and loss of coordination	May cause gastrointes tinal irritation, vomiting, nausea and diarrhea	Generally, repeated overexposure to solvents have been associated with permanent brain and nervous system damage		
Recommended Ventilation		_	entilation; sprayin	•			
Recommended	Splash	n proof sa	fety goggles, Vito	n, Nitrile or P	VC gloves,		
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges;						
Ечанын		SH approved air-purifying respirator with organic vapour ridges with dust/mist filter when sanding or spraying.					
		urther evaluation (e.g., exposure monitoring) may be required to etermine additional or upgrading of PPE.					
WHMIS Class			32: Flammable Li	quids			
	<u> </u>	w [D2A: Very Toxic I	Material			
See Material Safe first aid recomm	•		f the specific pr	oduct for fur	ther details and		

Ma	Material Type: Rust Inhibiting Primers							
Example Produc	ts:	Rust Mort (SEM Products)						
Main Hazardous Components		Phosphori	c acid, Isopropyl a	alcohol				
Potential Route(s	s)	Inhalation,	ingestion, skin co	ontact, eye co	ontact			
		Pote	ential Health Effe	ects				
Skin		Eyes	Inhalation	Ingestion	Chronic			
Corrosive, causes burns		rosive, ses burns	May cause irritation of nose, throat and respiratory tract	Severe internal irritation and damage	May result in irritation of nose, throat and respiratory tract			
Recommended Ventilation		od general v aust ventilat	entilation; sprayir	ng to be condu	ucted with local			
Recommended Personal		•	fety goggles or fatyl rubber gloves,		ontact is likely,			
Protective Equipment	II.	NIOSH approved air-purifying respirator with organic vapour/acid gas cartridges;						
	II.		ed air-purifying res and mist filter whe	•	rganic vapour/acid			
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class	(7	D2: Toxic Materials						
	U	ノビジ	E: Corrosive					
See Material Safe first aid recomm	_		of the specific pr	oduct for fur	ther details and			

Material Type: Water-based Polyurethane Clear Coats						
Example Produc	ts:	Stays Clea	ar Acrylic Polyui	rethane		
Main Hazardous Propylend Components		Propylene	glycol			
Potential Route(s)	Inhalation,	Inhalation, ingestion, skin contact, eye contact			
		Pote	ntial Health Effe	<u>cts</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
May cause irritation	May cause mild irritation		May cause irritation in high concentrations	Irritating to lining of the stomach	Long term exposure may lead to kidney damage	
Recommended Ventilation		od general vo aust ventilat	entilation, sprayin ion.	g to be condu	ucted with local	
Recommended Personal	Spla glov	•	fety goggles if co	ntact is likely,	chemical resistant	
Protective Equipment	cart	ridges with r	ed air-purifying res mist filter to prote s with poor ventila	ct against vap	rganic vapour our and spray mist	
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Class	(1	D2B: Toxic Material				
See Material Saf	_		of the specific pr	oduct for fur	ther details and	

	Material Type: Shellacs						
Example Produc	ts:	Bulls Eye Clear Shellac, Amber Shellac, White Shellac, B-I-N, Spray B-I-N					
Main Hazardous Components		Methanol,	Ethanol, Isopropa	anol, Acetone			
Potential Route(s of Entry	s)	Inhalation,	ingestion, skin al	osorption, eye	e contact		
		Pote	ntial Health Effe	<u>cts</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation Note: skin absorption may contribute to the overall exposure	irrita tear blink redr swe	king, ness and Iling by tact and	May cause coughing, shortness of breath, mucous production, headache, sleepiness, nausea, giddiness and loss of consciousness	Irritating to mouth, throat and stomach	May cause poisoning, impaired vision, blindness; may worsen emphysema or bronchitis, liver damage		
Recommended Ventilation			al exhaust ventila limits (use explo		ol vapour exposure uipment).		
Recommended Personal		ash proof sa per or nitrile	, 0 00	st will be gene	erated, neoprene,		
Protective Equipment		SH approve ridges.	d air-purifying res	spirator with o	rganic vapour		
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Class	(JA	B2: Flammable					
			D2B: Toxic Ma	aterial			
See Material Safe first aid recomm			of the specific pr	oduct for fur	ther details and		

М	ater	ial Type	e: Urethane	Clear Coa	ts I	
Example Produc	ts:	One hou	r Clear Varnish			
Main Hazardous Components		Petroleun	n Naptha, Distillat	te (light hydrotr	reated)	
Potential Route(sof Entry	s)	Inhalation	, ingestion, skin a	absorption,		
		Pot	ential Health Eff	<u>ects</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
Repeated exposure may irritate the skin and possibly dermatitis Note: Skin absorption can contribute to overall exposure	Liquid and mists can irritate the eyes		Mists generated during application may cause upper respiratory irritation	May cause dizziness, nausea, vomiting and abdominal pains	Generally, repeated overexposure to solvents have been shown to cause permanent brain damage and nervous system damage	
Recommended Ventilation			rith good general e explosion proof		n local exhaust	
Recommended	Solv	ent resista	nt gloves, splash	proof safety g	oggles;	
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges;					
Ечириен			ed air-purifying re a dust/mist pre-f	•	•	
		rther evaluation (e.g., exposure monitoring) may be required to termine additional or upgrading of PPE.				
WHMIS Class	(3	B3: Combustible liquid				
	1		D2: Toxic Mat	erials		
See Material Safe first aid recomm	•		of the specific p	product for fur	ther details and	

M	Material Type: Urethane Clear Coats II							
Example Produc	ts:	Cloverdale	e Water-based A	crylic Uretha	ne Gloss Varnish			
Main Hazardous Components		Diethylene	Glycol Monobuty	/I Ether				
Potential Route(s) of Entry		Inhalation,	ingestion, skin co	ontact, eye co	ntact			
	<u>'</u>	<u>Pote</u>	ntial Health Effe	<u>cts</u>				
Skin	l	Eyes	Inhalation	Ingestion	Chronic			
May cause irritation	_	cause irritation	Excessive exposure to vapour and mist may cause irritation to nose and throat	May cause gastrointes tinal irritation, vomiting, nausea and diarrhea	Repeated overexposure may cause damage to the blood, liver and kidney damage; dermatitis			
Recommended Ventilation	Good use.	d general ve	entilation with loc	al exhaust ve	ntilation during its			
Recommended	Splas	sh proof sa	fety goggles if co	ntact is likely,	rubber gloves,			
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges with mist filter or work in areas with poor ventilation.							
		Further evaluation (e.g., exposure monitoring) may be required determine additional or upgrading of PPE.						
WHMIS Class	1	D2B:	Toxic Material					
See Material Saf	_		of the specific pr	oduct for fur	ther details and			

	Mate	erial Typ	е: Ероху С	lear Coats	s I	
Example Produc	ts:	Sierra Performance Concrete Floor and Wall Enamel				
		(two-part)				
Main Hazardous Components		Epoxy poly	mer (52%), poly	ramines (<1%)		
Potential Route(s	s)	Inhalation, contact	ingestion, eye c	ontact, skin ab	sorption, skin	
		Pote	ntial Health Eff	<u>ects</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
Irritation; may cause allergic reaction	blinl redr	ring, king, ness and Iling	Mists/aerosol generated during application	May cause dizziness, nausea, vomiting	Epoxy resins can be a skin sensitizer	
Note: skin absorption may contribute to the overall exposure			may cause respiratory tract irritation	and abdominal pains		
Recommended Ventilation		in areas wi	th good general	ventilation with	local exhaust	
Recommended	Che	mical proted	ctive gloves, spla	ash proof safet	y goggles,	
Personal Protective Equipment		SH approve ridges;	d air-purifying re	espirator with o	rganic vapour	
Ефирион			ed air-purifying re a mist pre-filter w	•	rganic vapour	
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.				
WHMIS Class	6	D2B:	Toxic Materials			
See Material Safe first aid recomm	_		of the specific p	roduct for fur	ther details and	

ı	Material Type: Epoxy Clear Coats II								
Example Produc	ts:	Crystal SI	neen (two- part)						
Main Hazardous Components		Epoxy poly	rmer (83-98%), p	oolyamines (2-	17%)				
Potential Route(s	s)	Inhalation, contact	ingestion, eye c	ontact, skin ab	sorption, skin				
		Pote	ntial Health Effo	<u>ects</u>					
Skin		Eyes	Inhalation	Ingestion	Chronic				
May cause allergic reaction	imm	cause rediate	Mists/aerosol generated	May cause discomfort,	Skin sensitization				
Note: skin absorption may contribute to the overall exposure	pair	n, irritation	during application may cause respiratory tract irritation	toxic in large amounts					
Recommended Ventilation	Use	in areas wi	th good general	ventilation with	local ventilation.				
Recommended	Buty	/I rubber glo	ves, splash prod	of safety goggle	es,				
Personal Protective Equipment		SH approve ridges;	d air-purifying re	espirator with o	rganic vapour				
Equipment			ed air-purifying re a mist pre-filter w	•	rganic vapour				
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.								
WHMIS Class	6	D2B	Toxic Materials						
See Material Safe first aid recomm	_		of the specific p	roduct for fur	ther details and				

Material Type: Epoxy Clear Coats III							
Example Produc			New Clear Epoxy (two part)				
Main Hazardous Components			mer (90%), poly				
Potential Route(s	s)	Inhalation, contact	ingestion, eye c	ontact, skin ab	sorption, skin		
_		Pote	ntial Health Effe	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Irritation; may cause allergic reaction; burns from hardener	irrita burr	cause ation; as from dener	Mists/aerosol generated during application	Not known	Skin sensitization		
Note: skin absorption may contribute to the overall exposure	nardene.		may cause respiratory tract irritation				
Recommended Ventilation	Use	in areas wi	th good general	ventilation with	local ventilation.		
Recommended Personal			ubber gloves, spl or spray applica	•	ty goggles		
Protective Equipment		SH approveridges;	ed air-purifying re	espirator with o	rganic vapour		
			ed air-purifying re a mist pre-filter w		rganic vapour		
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class	(F)	D2B:	Toxic Materials				
See Material Safe first aid recomme	_		of the specific p	roduct for fur	ther details and		

		Materia	ıl Type: Lad	cquers		
Example Produc	ts:	s: Satin Lacquer, Gloss Lacquer (Cloverdale products)				
Main Hazardous Components		Methyl Eth	yl Ketone, Xylen ol	e, Toluene, M	ethanol,	
Potential Route(s	s)	Inhalation, contact	ingestion, skin a	absorption, skir	n contact, eye	
		Pote	ntial Health Eff	<u>ects</u>		
Skin		Eyes	Inhalation	Ingestion	Chronic	
May cause irritation, dryness, dermatitis Note: skin absorption may contribute to the overall exposure	seve irrita tear redr	ition,	Excessive exposure to vapour, spray/mists may cause respiratory irritation; dizziness, breathing difficulty, headache and loss of coordination	May cause blindness, narcosis, nausea, vomiting from methanol content	Generally, repeated overexposure to solvents may cause brain and nervous system damage	
Recommended Ventilation		•	entilation with loou		ntilation to control	
Recommended Personal Protective	spra	y applicatio	n;		safety goggles for	
Equipment		SH approve ridges;	d air-purifying re	espirator with o	rganic vapour	
			d air-purifying re a dust/mist pre-fi	•	•	
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.				
WHMIS Class	(B2: Flammable	Liquid		
	U		D1A: Very Tox	ic Material		
See Material Safe first aid recomm	_		of the specific p	roduct for fur	ther details and	

	Material Type: Stains I							
Example Produc	ts:	Ultra Pene	Ultra Penetration Stain (Mohawk Products)					
Main Hazardous Components		Methanol						
Potential Route(s	s)	Inhalation,	ingestion, skin a	absorption, eye	contact			
		Pote	ntial Health Effo	<u>ects</u>				
Skin		Eyes	Inhalation	Ingestion	Chronic			
Can be absorbed through skin, irritation	Causes eye irritation		May affect brain and nervous system	May be fatal or cause blindness if swallowed	May cause permanent brain and nervous system damage			
Note: skin absorption may contribute to the overall exposure								
Recommended Ventilation			entilation and loc exposure limits		control vapour n proof equipment).			
Recommended	Spla	ash proof sa	fety goggles, ne	oprene gloves	,			
Personal Protective	NIO	SH approve	d air-purifying o	rganic vapour i	respirator;			
Equipment	Supply air respirator is recommended where mechanical exhaust ventilation is not available.							
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.							
WHMIS Class	(-		B2: Flammabl	e liquid				
	U		D2B: Toxic Ma	aterials				
See Material Safe first aid recomm			of the specific p	roduct for fur	ther details and			

Material Type: Stains II							
Example Produc	ts:	Penetrating Oil Stain (Mohawk Products)					
Main Hazardous Components		Toluene, Xylene, Mineral Spirits					
Potential Route(s	s)	Inhalation	, ingestion, skin a	absorption, eye	contact		
		Pote	ential Health Eff	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Can be absorbed through skin, irritation	Causes eye irritation		May affect brain and nervous system, causing dizziness, headache or nausea	May be fatal or cause blindness if swallowed	Generally, repeated overexposure to solvents may cause permanent brain and nervous system damage		
Recommended Ventilation		Good general ventilation and local exhaust to control vapour exposure below exposure limits (use explosion proof equipment).					
Recommended	Splash proof safety goggles, neoprene gloves,						
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges;						
Equipment	Supply air respirator is recommended where mechanical exhaust ventilation is not available.						
	Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.						
WHMIS Class	(7		B2: Flammabl	e liquid			
	D2B: Toxic Materials						
	See Material Safety Data Sheet of the specific product for further details and first aid recommendations.						

	Material Type: Stains III						
Example Produc	ts:	Water-based Penetrating Stain (Mohawk Products)					
Main Hazardous Components		Dipropylene Glycol Methyl Ether					
Potential Route(s	s)	Inhalation contact	Inhalation, ingestion, skin contact, skin absorption, eye contact				
		Pot	ential Health Eff	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation Note: skin absorption may contribute to the	May cause eye irritation		Excessive exposure may cause upper respiratory tract irritation	Swallowing large amounts may cause injury	Excessive exposure may lead to narcotic effects		
overall exposure Recommended Ventilation			d general ventilation and local exhaust to control vapour osure below exposure limits.				
Recommended	Spla	ash proof s	afety goggles, ne	oprene gloves,	,		
Personal Protective Equipment		NIOSH approved air-purifying respirator with organic vapour cartridges with mist pre-filter when spraying.					
Ечиртет				e.g., exposure monitoring) may be required to I or upgrading of PPE.			
WHMIS Class	J	D2B: Toxic Material					
See Material Safe	_		of the specific p	roduct for fur	ther details and		

Material Type: Dyes							
Example Produc	ts:	Aniline Dyes Water/Alcohol Soluble (Mohawk dyes)					
Main Hazardous Components		No reportable quantities of hazardous ingredients in product					
Potential Route(s)	Inhalation, skin contact, eye contact					
		Pote	ntial Health Effo	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Dust may cause irritation	Dust may cause irritation		Dust may cause nose and throat irritation	Large quantities may cause gastro- intestinal disturbance	Any medical condition, allergy, sensitization may become worse upon exposure		
Recommended Ventilation	exp	Local exhaust ventilation is recommended to control dust exposure. Handle powders in "powder rooms", paint booths or areas away from drafts.					
Recommended	Spla	ash proof sa	fety goggles, ne	eoprene gloves,			
Personal Protective Equipment	NIOSH approved air-purifying respirator with dust filter when handling powder.						
Ечанын	Furt dete	may be required to					
WHMIS Class	Not	Not a controlled product					
See Material Saf first aid recomm	_		of the specific p	roduct for fur	ther details and		

Material Type: Metallic Powders							
Example Produc	ts:	Bronze Powder of Various Colours such as Antique Gold, Silver, Pale Gold, Rich Gold, Copper etc (Mohawk Products)					
Main Hazardous Components		Copper, zii	nc, aluminum (de	epending on th	e colour)		
Potential Route(s	s)	Inhalation,	Inhalation, skin contact, eye contact, ingestion				
		Pote	ntial Health Eff	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
Dust may cause irritation	Dust may cause irritation		Dust may cause nose and throat irritation	No info provided	Any medical condition, allergy, sensitization may become worse upon exposure		
Recommended Ventilation	Local exhaust ventilation to control dust exposure. Handle powders in "powder rooms", paint booths or areas away from drafts.						
Recommended	Spla	ash proof sa	fety goggles if co	ontact is likely,			
Personal Protective Equipment	NIOSH approved air-purifying respirator with dust filter when dust is generated.						
Е чанриноти			on (e.g., exposu ional or upgradir	ure monitoring) may be required to ing of PPE.			
WHMIS Class	D2B: Toxic Materials						
See Material Saf	_		of the specific p	roduct for fur	ther details and		

N	/late	rial Typ	e: Tints and	d Colourant	s		
Example Products:		Microcolor Dispersions Liquid Colorants (various colours)					
Main Hazardous Components		Crystalline	silica, Ammonia	ı, Ethylene glyco	l, Iron oxide		
Potential Route(s	s)	Eye conta	ct, ingestion, skir	n absorption			
		Pote	ential Health Eff	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation Note: skin absorption may contribute to the overall exposure	May cause irritation		May cause nose and throat irritation; may irritate mucous membranes of the respiratory tract	Large amounts can cause nausea, convulsions, slurred speech, disorientation	May be a reproductive toxin; may cause heart and kidney damage		
Recommended Ventilation		Good general ventilation; use local exhaust ventilation to control vapours.					
Recommended	Safe	Safety goggles, rubber gloves;					
Personal Protective Equipment		IOSH approved air-purifying respirator with organic vapour artridges.					
	Further evaluation (e.g., exposure monitoring) may be required determine additional or upgrading of PPE.						
WHMIS Class	D2B: Toxic Materials						
See Material Safe first aid recomm	•		of the specific p	roduct for furth	ner details and		

		Materia	l Type: Stri	ppers I			
Example Produc	ts:	Circa 1850					
Main Hazardous Components		Dichloromethane, Methanol					
Potential Route(s) of Entry		Inhalation,	ingestion, skin a	absorption, eye	contact		
_		Pote	ntial Health Effo	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation, defattening and dermatitis Note: skin absorption may contribute to the overall exposure	mod seve irrita tran	r cause derate to ere ation and sient neal injury	May cause nasal and respiratory irritation	Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopne umonia or pulmonary edema	Excessive exposure may effect central nervous system, respiratory, eyes, skin, gastrointestinal, spleen, kidneys		
Recommended Ventilation	Good general ventilation; use local exhaust ventilation to contain vapours within exposure limits.						
Recommended	Slas	sh proof safe	ety goggles, late	x or neoprene	gloves;		
Personal Protective Equipment	NIOSH approved air-purifying respirator with organic vapour cartridges.						
_ _		Further evaluation (e.g., exposure monitoring) may be required determine additional or upgrading of PPE.					
WHMIS Class	D2: Toxic Materials						
See Material Safe first aid recomm	_		f the specific p	roduct for fur	ther details and		

		Material	Type: Stri	ppers II			
Example Products:		Polyclens (Brush cleaner)					
Main Hazardous Components		Petroleum hydrocarbon solvent					
Potential Route(s	s)	Inhalation, contact	ingestion, skin o	contact, skin ab	osorption, eye		
		Pote	ntial Health Effo	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause irritation, defattening and dermatitis Note: skin absorption may contribute to the overall exposure	mod seve irrita tran	r cause derate to ere ation and sient neal injury	May cause nasal and respiratory irritation; may cause headaches, dizziness and anesthesia; may effect the central nervous system	Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchopne umonia or pulmonary edema	May aggravate existing nervous system, blood, heart, lung, kidney, liver, eye, and skin conditions		
Recommended Ventilation	Use with adequate local exhaust ventilation.						
Recommended	Slas	sh proof safe	ety goggles, Neo	prene or rubbe	er gloves;		
Personal Protective Equipment		IOSH approved air-purifying respirator with organic vapour artridges.					
		Further evaluation (e.g., exposure monitoring) may be required to determine additional or upgrading of PPE.					
WHMIS Class	(k)		B3: Flammable)			
	D2B: Toxic Materials						
See Material Safe first aid recomme	•		of the specific p	roduct for fur	ther details and		

Material Type: Cleansers and Degreasers							
Example Products:		Gold Matrix Parts Cleaner/Degreaser					
Main Hazardous Po Components		Potassium hydroxide, Not WHMIS controlled					
Potential Route(s	` '		Skin contact, eye contact, ingestion				
		Pote	ntial Health Effo	<u>ects</u>			
Skin		Eyes	Inhalation	Ingestion	Chronic		
May cause slight irritation	May cause slight irritation		May cause nose and throat irritation	May cause gastro- intestinal disturbance	No known effects		
Recommended Ventilation	Goo	Good general ventilation.					
Recommended Personal Protective Equipment	Chemical resistant gloves for contact during application.						
WHMIS Class	Not a controlled product						
See Material Safety Data Sheet of the specific product for further details and first aid recommendations.							

	Material Type: Hand Cleaners						
Example Products: Fast Orange Hand Cleaner, Blue Label Hand Cle				l Cleaner			
Main Hazardous Turpenes, S Components			enes, Stoddard solvent				
Potential Route(s of Entry)	Ingestion, s	skin contact, inhalation				
	Potential Health Effects						
Skin	Eyes		Inhalation	Ingestion	Chronic		
May cause irritation	May cause irritation at high concentrations		May cause irritation upon prolonged use	May cause broncopneumonia if aspirated into the lungs	May affect central nervous system		
Recommended Ventilation	Good general ventilation and local exhaust ventilation when using in large amounts.						
Recommended Personal Protective Equipment	Noi	None recommended.					
WHMIS Class	Exe	Exempt products					
See Material Safe first aid recomme			the specific p	roduct for further d	letails and		