



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product identifier** Pure Reflections NR Fast Activ  
**Version #** 01  
**Issue date** 07-21-2015  
**CAS #** Mixture  
**Product Code** PR70-QT  
**Product use** Automotive Refinish Activator/Hardener  
**Manufacturer information** Pure Reflections  
A division of IAMG/International Autobody Marketing Group  
1505 N. Hayden Road, Ste. 111  
Scottsdale, Arizona 85257  
United States  
l.fields@iamgaz.com  
INFORMATION 1-87-REFINISH  
CHEMTREC 1-800-424-9300  
**Supplier** Not available.

## 2. Hazards Identification

**Emergency overview** DANGER  
Flammable liquid - may release vapors that form flammable mixtures at or above the flash point. Will be easily ignited by heat, spark or flames. Heat may cause the containers to explode. Cancer hazard. Irritating to eyes and skin.  
Teratogenic. Prolonged exposure may cause chronic effects.

**Potential health effects**  
**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.  
**Eyes** Contact with eyes may cause irritation. Avoid contact with eyes.  
**Skin** May cause skin irritation. Avoid contact with the skin.  
**Inhalation** May cause cancer by inhalation. May cause irritation of respiratory tract. Prolonged inhalation may be harmful. Do not breathe dust/fume/gas/mist/vapors/spray.  
**Ingestion** Irritating. May cause nausea, stomach pain and vomiting. Do not ingest.

**Chronic effects** Pregnant women or women of child-bearing age should not be exposed to this product. May cause birth defects. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Signs and symptoms** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Potential environmental effects** Components of this product are hazardous to aquatic life. May cause long-term adverse effects in the environment.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Xylene	1330-20-7	15 - 40
Ethylbenzene	100-41-4	10 - 30
Methyl Isobutyl Ketone	108-10-1	5 - 10
Ethyl 3-ethoxypropionate	763-69-9	3 - 7
1-Methoxy-2-propyl acetate	108-65-6	1 - 5
Diisobutyl Ketone	108-83-8	1 - 5
N-butyl Acetate	123-86-4	1 - 5
1,2,4-Trimethylbenzene	95-63-6	0.5 - 1.5

Components	CAS #	Percent
1,3,5-Trimethylbenzene	108-67-8	0.1 - 1
Isopropylbenzene	98-82-8	0.1 - 1
M-xylene	108-38-3	0.1 - 1
O-xylene	95-47-6	0.1 - 1
Other components below reportable levels		15 - 40

#### 4. First Aid Measures

##### First aid procedures

<b>Inhalation</b>	Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention, if needed.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. For minor skin contact, avoid spreading material on unaffected skin.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. If ingestion of a large amount does occur, call a poison control center immediately. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

##### Notes to physician

In case of shortness of breath, give oxygen. Symptoms may be delayed.

##### General advice

In case of shortness of breath, give oxygen. If you feel unwell, seek medical advice (show the label where possible). Get medical attention if symptoms occur. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep victim under observation. Keep victim warm.

#### 5. Fire Fighting Measures

##### Flammable properties

Flammable by WHMIS criteria. Heat may cause the containers to explode. Vapors may travel considerable distance to a source of ignition and flash back.

##### Extinguishing media

**Suitable extinguishing media** Powder. Foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Water. Do not use water jet as an extinguisher, as this will spread the fire.

##### Protection of firefighters

**Specific hazards arising from the chemical** Fire may produce irritating, corrosive and/or toxic gases.

**Protective equipment for firefighters** Firefighters should wear full protective clothing including self contained breathing apparatus.

##### Fire fighting equipment/instructions

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. In the event of fire, cool tanks with water spray. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.

##### Explosion data

**Sensitivity to static discharge** Not available.

**Sensitivity to mechanical impact** Not available.

##### Hazardous combustion products

Not available.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Consider initial downwind evacuation for at least 500 meters (1/3 mile). Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. For personal protection, see section 8 of the MSDS.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
<b>Methods for containment</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.
<b>Methods for cleaning up</b>	<p>Extinguish all flames in the vicinity. Should not be released into the environment.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. Clean up in accordance with all applicable regulations. For waste disposal, see section 13 of the MSDS.</p>
<b>Other information</b>	Clean up in accordance with all applicable regulations.

## 7. Handling and Storage

<b>Handling</b>	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. All equipment used when handling the product must be grounded. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. When using do not eat or drink. Do not use in areas without adequate ventilation. Wear personal protective equipment. Wash thoroughly after handling. Avoid release to the environment.
<b>Storage</b>	Do not handle or store near an open flame, heat or other sources of ignition. Keep at temperature not exceeding 49 °C. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a closed container away from incompatible materials. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Use care in handling/storage. Store away from incompatible materials (see Section 10 of the MSDS).

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values Components

Components	Type	Value
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	25 ppm
1,3,5-Trimethylbenzene (CAS 108-67-8)	TWA	25 ppm
Diisobutyl Ketone (CAS 108-83-8)	TWA	25 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Isopropylbenzene (CAS 98-82-8)	TWA	50 ppm
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
M-xylene (CAS 108-38-3)	STEL	150 ppm
	TWA	100 ppm
N-butyl Acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm
O-xylene (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm

**US. ACGIH Threshold Limit Values**

Components	Type	Value
	TWA	100 ppm

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	123 mg/m3 25 ppm
1,3,5-Trimethylbenzene (CAS 108-67-8)	TWA	123 mg/m3 25 ppm
Diisobutyl Ketone (CAS 108-83-8)	TWA	145 mg/m3 25 ppm
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3 125 ppm
	TWA	434 mg/m3 100 ppm
Isopropylbenzene (CAS 98-82-8)	TWA	246 mg/m3 50 ppm
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	307 mg/m3 75 ppm
	TWA	205 mg/m3 50 ppm
M-xylene (CAS 108-38-3)	STEL	651 mg/m3 150 ppm
	TWA	434 mg/m3 100 ppm
N-butyl Acetate (CAS 123-86-4)	STEL	950 mg/m3 200 ppm
	TWA	713 mg/m3 150 ppm
O-xylene (CAS 95-47-6)	STEL	651 mg/m3 150 ppm
	TWA	434 mg/m3 100 ppm
Xylene (CAS 1330-20-7)	STEL	651 mg/m3 150 ppm
	TWA	434 mg/m3 100 ppm

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	25 ppm
1,3,5-Trimethylbenzene (CAS 108-67-8)	TWA	25 ppm
1-Methoxy-2-propyl acetate (CAS 108-65-6)	STEL	75 ppm
	TWA	50 ppm
Diisobutyl Ketone (CAS 108-83-8)	TWA	25 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value
Isopropylbenzene (CAS 98-82-8)	STEL	75 ppm
	TWA	25 ppm
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
M-xylene (CAS 108-38-3)	STEL	150 ppm
	TWA	100 ppm
N-butyl Acetate (CAS 123-86-4)	TWA	20 ppm
	TWA	20 ppm
O-xylene (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Components	Type	Value
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	25 ppm
1,3,5-Trimethylbenzene (CAS 108-67-8)	TWA	25 ppm
Diisobutyl Ketone (CAS 108-83-8)	TWA	25 ppm
Ethylbenzene (CAS 100-41-4)	TWA	20 ppm
Isopropylbenzene (CAS 98-82-8)	TWA	50 ppm
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	75 ppm
	TWA	20 ppm
M-xylene (CAS 108-38-3)	STEL	150 ppm
	TWA	100 ppm
N-butyl Acetate (CAS 123-86-4)	STEL	200 ppm
	TWA	150 ppm
O-xylene (CAS 95-47-6)	STEL	150 ppm
	TWA	100 ppm
Xylene (CAS 1330-20-7)	STEL	150 ppm
	TWA	100 ppm

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	25 ppm
1,3,5-Trimethylbenzene (CAS 108-67-8)	TWA	25 ppm
1-Methoxy-2-propyl acetate (CAS 108-65-6)	TWA	270 mg/m3
		50 ppm
Diisobutyl Ketone (CAS 108-83-8)	TWA	25 ppm
	TWA	300 mg/m3
Ethyl 3-ethoxypropionate (CAS 763-69-9)		50 ppm
	STEL	125 ppm
Ethylbenzene (CAS 100-41-4)	TWA	100 ppm
	TWA	50 ppm
Isopropylbenzene (CAS 98-82-8)	TWA	50 ppm
	TWA	50 ppm
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	75 ppm

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value
M-xylene (CAS 108-38-3)	TWA	50 ppm
	STEL	150 ppm
N-butyl Acetate (CAS 123-86-4)	TWA	100 ppm
	STEL	200 ppm
O-xylene (CAS 95-47-6)	TWA	150 ppm
	STEL	150 ppm
Xylene (CAS 1330-20-7)	TWA	100 ppm
	STEL	150 ppm
	TWA	100 ppm

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value
1,2,4-Trimethylbenzene (CAS 95-63-6)	TWA	123 mg/m3
1,3,5-Trimethylbenzene (CAS 108-67-8)		25 ppm
	TWA	123 mg/m3
Diisobutyl Ketone (CAS 108-83-8)		25 ppm
	TWA	145 mg/m3
Ethylbenzene (CAS 100-41-4)	STEL	543 mg/m3
		125 ppm
	TWA	434 mg/m3
		100 ppm
Isopropylbenzene (CAS 98-82-8)	TWA	246 mg/m3
		50 ppm
Methyl Isobutyl Ketone (CAS 108-10-1)	STEL	307 mg/m3
		75 ppm
	TWA	205 mg/m3
		50 ppm
M-xylene (CAS 108-38-3)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
N-butyl Acetate (CAS 123-86-4)	STEL	950 mg/m3
		200 ppm
	TWA	713 mg/m3
		150 ppm
O-xylene (CAS 95-47-6)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm
Xylene (CAS 1330-20-7)	STEL	651 mg/m3
		150 ppm
	TWA	434 mg/m3
		100 ppm

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Diisobutyl Ketone (CAS 108-83-8)	PEL	290 mg/m3
Ethylbenzene (CAS 100-41-4)		50 ppm
	PEL	435 mg/m3

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Isopropylbenzene (CAS 98-82-8)	PEL	100 ppm
		245 mg/m3
Methyl Isobutyl Ketone (CAS 108-10-1)	PEL	50 ppm
		410 mg/m3
M-xylene (CAS 108-38-3)	PEL	100 ppm
		435 mg/m3
N-butyl Acetate (CAS 123-86-4)	PEL	100 ppm
		710 mg/m3
O-xylene (CAS 95-47-6)	PEL	150 ppm
		435 mg/m3
Xylene (CAS 1330-20-7)	PEL	100 ppm
		435 mg/m3
		100 ppm

**Biological limit values**

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Ethylbenzene (CAS 100-41-4)	0.15 g/g	Sum of mandelic acid and phenylglyoxylic acid	Creatinine in urine	*
Methyl Isobutyl Ketone (CAS 108-10-1)	1 mg/l	Methyl isobutyl ketone	Urine	*
M-xylene (CAS 108-38-3)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
O-xylene (CAS 95-47-6)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*
Xylene (CAS 1330-20-7)	1.5 g/g	Methylhippuric acids	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Skin protection**

Wear suitable protective clothing. Wear protective gloves.

**Respiratory protection**

Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Hand protection**

Wear protective gloves.

**9. Physical & Chemical Properties**

**Appearance**

**Physical state**

Liquid.

**Form**

Liquid.

**Color**

Clear colorless or nearly colorless

**Odor**

Solvent.

**Odor threshold**

Not available.

**pH**

Not available.

**Vapor pressure**

13.11 hPa estimated

**Vapor density**

Not available.

<b>Boiling point</b>	241.7 °F (116.5 °C) estimated
<b>Melting point/Freezing point</b>	-138.82 °F (-94.9 °C) estimated
<b>Solubility (water)</b>	Not available.
<b>Specific gravity</b>	0.97
<b>Relative density</b>	Not available.
<b>Flash point</b>	55.0 °F (12.8 °C) estimated
<b>Flammability limits in air, upper, % by volume</b>	12 % estimated
<b>Flammability limits in air, lower, % by volume</b>	1.2 % estimated
<b>Auto-ignition temperature</b>	810 °F (432.22 °C) estimated
<b>VOC</b>	4.6 lbs/gal Regulatory 4.6 lbs/gal Material 550 g/l Regulatory 550 g/l Material
<b>Evaporation rate</b>	Not available.
<b>Percent volatile</b>	56.65 %
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Other data</b>	
<b>Density</b>	8.11 lbs/gal

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Risk of explosion.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents. Halogens.
<b>Hazardous decomposition products</b>	Not available.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Toxicological data

Components	Species	Test Results
1,2,4-Trimethylbenzene (CAS 95-63-6)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 3160 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 2000 ppm, 48 Hours
<b>Oral</b>		
LD50	Rat	6 g/kg
1,3,5-Trimethylbenzene (CAS 108-67-8)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	8970 mg/kg
Diisobutyl Ketone (CAS 108-83-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	16200 mg/kg
	Rat	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 5 mg/l, 4 Hours



Components	Species	Test Results
<b>Oral</b>		
LD50	Mouse	1416 mg/kg
	Rat	5285 mg/kg
Ethylbenzene (CAS 100-41-4)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	17800 mg/kg
<b>Oral</b>		
LD50	Rat	3500 mg/kg
Isopropylbenzene (CAS 98-82-8)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Mouse	2000 ppm, 7 Hours 24.7 mg/l, 2 Hours
	Rat	8000 ppm, 4 Hours
<b>Oral</b>		
LD50	Rat	1400 mg/kg
Methyl Isobutyl Ketone (CAS 108-10-1)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 16000 mg/kg
<b>Inhalation</b>		
LC50	Rat	8.2 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	2080 mg/kg
M-xylene (CAS 108-38-3)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	12100 mg/kg
<b>Inhalation</b>		
LC50	Mouse	5300 ppm, 6 Hours
<b>Oral</b>		
LD50	Mouse	1590 mg/kg
	Rat	4300 mg/kg
N-butyl Acetate (CAS 123-86-4)		
<b><u>Acute</u></b>		
<b>Inhalation</b>		
LC50	Wistar rat	160 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	14000 mg/kg
O-xylene (CAS 95-47-6)		
<b><u>Acute</u></b>		
<b>Dermal</b>		
LD50	Rabbit	> 43 g/kg
<b>Inhalation</b>		
LC50	Mouse	4600 ppm, 6 Hours
	Rat	6350 ppm, 4 Hours

Components	Species	Test Results
<b>Oral</b>		
LD50	Mouse	1590 mg/kg
	Rat	4300 mg/kg
Xylene (CAS 1330-20-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 43 g/kg
<b>Inhalation</b>		
LC50	Mouse	3907 mg/l, 6 Hours
	Rat	6350 mg/l, 4 Hours
<b>Oral</b>		
LD50	Mouse	1590 mg/kg
	Rat	3523 - 8600 mg/kg

**Acute effects**

**Sensitization** Not available.

**Chronic effects** Hazardous by WHMIS criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Carcinogenicity** Hazardous by WHMIS criteria. Cancer hazard.

**ACGIH Carcinogens**

Ethylbenzene (CAS 100-41-4)	A3 Confirmed animal carcinogen with unknown relevance to humans.
Methyl Isobutyl Ketone (CAS 108-10-1)	A3 Confirmed animal carcinogen with unknown relevance to humans.
M-xylene (CAS 108-38-3)	A4 Not classifiable as a human carcinogen.
O-xylene (CAS 95-47-6)	A4 Not classifiable as a human carcinogen.
Xylene (CAS 1330-20-7)	A4 Not classifiable as a human carcinogen.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Ethylbenzene (CAS 100-41-4)	2B Possibly carcinogenic to humans.
Isopropylbenzene (CAS 98-82-8)	2B Possibly carcinogenic to humans.
Methyl Isobutyl Ketone (CAS 108-10-1)	2B Possibly carcinogenic to humans.
M-xylene (CAS 108-38-3)	3 Not classifiable as to carcinogenicity to humans.
O-xylene (CAS 95-47-6)	3 Not classifiable as to carcinogenicity to humans.
Xylene (CAS 1330-20-7)	3 Not classifiable as to carcinogenicity to humans.

**Skin corrosion/irritation** Not available.

**Serious eye damage/irritation** Not available.

**Mutagenicity** Not available.

**Reproductive effects** Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

**Teratogenicity** Hazardous by WHMIS criteria. Avoid exposure to women during early pregnancy. Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

**Synergistic materials** Not available.

**Further information** Symptoms may be delayed.

**12. Ecological Information**

**Ecotoxicological data**

Components	Species	Test Results
1,2,4-Trimethylbenzene (CAS 95-63-6)		
<b>Aquatic</b>		
Fish	LC50 Fathead minnow ( <i>Pimephales promelas</i> )	7.19 - 8.28 mg/l, 96 hours

Components			Species	Test Results
1,3,5-Trimethylbenzene (CAS 108-67-8)				
	<b>Aquatic</b>			
	Fish	LC50	Goldfish ( <i>Carassius auratus</i> )	9.89 - 15.05 mg/l, 96 hours
Ethylbenzene (CAS 100-41-4)				
	<b>Aquatic</b>			
	Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	1.37 - 4.4 mg/l, 48 hours
	Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	7.5 - 11 mg/l, 96 hours
Isopropylbenzene (CAS 98-82-8)				
	<b>Aquatic</b>			
	Crustacea	EC50	Brine shrimp ( <i>Artemia sp.</i> )	3.55 - 11.29 mg/l, 48 hours
	Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	2.7 mg/l, 96 hours
Methyl Isobutyl Ketone (CAS 108-10-1)				
	<b>Aquatic</b>			
	Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	492 - 593 mg/l, 96 hours
M-xylene (CAS 108-38-3)				
	<b>Aquatic</b>			
	Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	2.81 - 5 mg/l, 48 hours
	Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	8.4 mg/l, 96 hours
N-butyl Acetate (CAS 123-86-4)				
	<b>Aquatic</b>			
	Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> )	17 - 19 mg/l, 96 hours
O-xylene (CAS 95-47-6)				
	<b>Aquatic</b>			
	Crustacea	EC50	Water flea ( <i>Daphnia magna</i> )	0.78 - 2.51 mg/l, 48 hours
	Fish	LC50	Rainbow trout,donaldson trout ( <i>Oncorhynchus mykiss</i> )	5.59 - 11.6 mg/l, 96 hours
Xylene (CAS 1330-20-7)				
	<b>Aquatic</b>			
	Fish	LC50	Bluegill ( <i>Lepomis macrochirus</i> )	7.711 - 9.591 mg/l, 96 hours
<b>Ecotoxicity</b>	Components of this product are hazardous to aquatic life.			
<b>Environmental effects</b>	Harmful to aquatic organisms. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.			
<b>Aquatic toxicity</b>	Not available.			
<b>Persistence and degradability</b>	Not available.			
<b>Partition coefficient</b>				
	Ethylbenzene		3.15	
	Isopropylbenzene		3.66	
	Methyl Isobutyl Ketone		1.31	
	M-xylene		3.2	
	N-butyl Acetate		1.78	
	O-xylene		3.12	
	Xylene		3.12 - 3.2	

### 13. Disposal Considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**14. Transport Information****TDG**

**UN number** UN1263  
**UN proper shipping name** Paint, Paint Related Material  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards** Yes  
**Special precautions for user** Read safety instructions, MSDS and emergency procedures before handling.

**IATA**

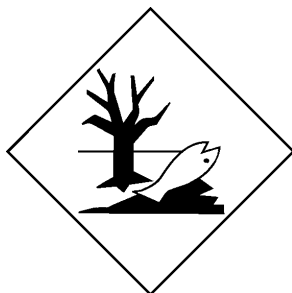
**UN number** UN1263  
**UN proper shipping name** Paint, Paint Related Material  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards** Yes  
**ERG Code** 3H  
**Special precautions for user** Read safety instructions, MSDS and emergency procedures before handling.  
**Other information**

**Passenger and cargo aircraft** Allowed.

**Cargo aircraft only** Allowed.

**IMDG**

**UN number** UN1263  
**UN proper shipping name** Paint, Paint Related Material, MARINE POLLUTANT  
**Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** -  
**Packing group** II  
**Environmental hazards**  
**Marine pollutant** Yes  
**EmS** F-E, S-E  
**Special precautions for user** Read safety instructions, MSDS and emergency procedures before handling.

**IATA; IMDG; TDG****Marine pollutant**

**General information** IMDG Regulated Marine Pollutant.

## 15. Regulatory Information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification**  
B2 - Flammable Liquids  
D2A - Other Toxic Effects-VERY TOXIC  
D2B - Other Toxic Effects-TOXIC

### WHMIS labeling



### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other Information

**HMIS® ratings**  
Health: 2\*  
Flammability: 3  
Physical hazard: 0

**NFPA ratings**  
Health: 2  
Flammability: 3  
Instability: 0

**Disclaimer**  
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**Prepared by** Not available.