# **Material Safety Data Sheet**



Date of issue 30 November 2013

17.01

Version

## 1. Product and company identification

Product name	: EPOXY PRIMER CATALYST
Code	: MP175
Supplier	: PPG Industries, Inc. One PPG Place, Pittsburgh, PA 15272
Emergency telephone number	: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) 01-800-00-21-400 (Mexico)
Technical Phone Number	: 1-800-647-6050

## 2. Hazards identification

Emergency overview	: DANGER!
	FLAMMABLE LIQUID AND VAPOR. CAUSES EYE AND SKIN BURNS. CAUSES RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTION. MAY BE HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED. ASPIRATION HAZARD. CAN ENTER LUNGS AND CAUSE DAMAGE. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE.
	Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Keep away from heat. Do not smoke. Do not breathe vapor or mist. Do not swallow. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
Potential acute health effec	<u>ts</u>
Inhalation	: May be harmful if inhaled. Irritating to respiratory system. Can irritate eyes, nose, mouth and throat. May cause sensitization by inhalation. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Ingestion	<ul> <li>May be harmful if swallowed. May cause burns to mouth, throat and stomach. Aspiration hazard if swallowed. Can enter lungs and cause damage.</li> </ul>
Skin	: Corrosive to the skin. Causes burns. Harmful in contact with skin. May cause an allergic skin reaction.
Eyes	: Corrosive to eyes. Causes burns.
Over-exposure signs/sympt	toms
Repeated exposure to high	vapor concentrations may cause irritation of the respiratory system and permanent brain and

Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone.

Medical conditions aggravated by overexposure : Pre-existing respiratory and skin disorders and disorders involving any other target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

This Material Safety Data Sheet has been prepared in accordance with Canada's Workplace Hazardous Materials Information System (WHMIS) and the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See toxicological information (Section 11)

## 3. Composition/information on ingredients

Name	<u>CAS number</u>	<u>%</u>
1-methoxy-2-propanol	107-98-2	10 - 30
butanone	78-93-3	7 - 13
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,	31326-29-1	5 - 10
3-epoxypropane, reaction products with diethylenetriamine		
n-butyl acetate	123-86-4	5 - 10
butan-1-ol	71-36-3	3 - 7
heptan-2-one	110-43-0	1 - 5
Isopropyl alcohol	67-63-0	1 - 5
toluene	108-88-3	1 - 5
Solvent naphtha (petroleum), light aromatic	64742-95-6	1 - 5
1,2,4-trimethylbenzene	95-63-6	1 - 5
2,2'-iminodiethylamine	111-40-0	0.5 - 1.5
xylene	1330-20-7	0.1 - 1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### 4. First aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Eye contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Ingestion	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

## 5. Fire-fighting measures

Flammability of the product	: Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Extinguishing media	
Suitable	: Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.
Not suitable	: Do not use water jet.
Special exposure hazards	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Hazardous combustion products	: Decomposition products may include the following materials: carbon oxides nitrogen oxides halogenated compounds
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental release measures

Personal precautions	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Use spark-proof tools and explosion-proof equipment. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
Small spill	: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
7 Handling and	storago

### 7. Handling and storage

#### Handling

: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not breathe vapor or mist. Do not swallow. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. Vapors are heavier than air and may spread along floors. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container. If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Storage

: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Do not store above the following temperature: 120F / 49C.

#### **Exposure controls/personal protection** 8.

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Key to abbreviations

= Acceptable Maximum Peak

= Fume

А

C F

= Potential skin absorption

ACGIH = American Conference of Governmental Industrial Hygienists. = Ceiling Limit

SR = Respiratory sensitization

S

SS = Skin sensitization

STEL = Short term Exposure limit values

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= Threshold Limit Value

= Time Weighted Average

= Total dust

TD

TLV

TWA

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#### 8. **Exposure controls/personal protection**

IPEL	<ul> <li>Internal Permissible Exposure Limit</li> </ul>
OSHA	= Occupational Safety and Health Administration.

OSHA R

Ζ

= Respirable

= OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

#### Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures	: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
Engineering measures	: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal protection	
Eyes	: Chemical splash goggles and face shield.
Hands	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Gloves	: nitrile, neoprene
Respiratory	: By spraying: air-fed respirator. By other operations than spraying, in well ventilated areas, air-fed respirators could be replaced by a combination charcoal filter and particulate filter mask. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Skin	<ul> <li>Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.</li> <li>When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.</li> </ul>
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Physical and chemical properties 9.

Physical state	: Liquid.
Flash point	: Closed cup: 8.89°C (48°F)
Explosion limits	: Lower: 1.4%
Material supports combustion.	: Yes.
Color	: Not available.
Odor	: Not available.

## 9. Physical and chemical properties

рН	: Not available.
<b>Boiling/condensation point</b>	: >37.78°C (>100°F)
Melting/freezing point	: Not available.
Specific gravity	: 0.93
Density(Ibs / gal)	: 7.76
Vapor pressure	: 3.4 kPa (25.3 mm Hg) [room temperature]
Vapor density	: Not available.
Volatility	: 72% (v/v), 66.9% (w/w)
Evaporation rate	: 2.03 (butyl acetate = 1)
Partition coefficient: n-	: Not available.
octanol/water % Solid. (w/w)	: 33.1

## 10. Stability and reactivity

Stability	: Stable under recommended storage and handling conditions (see Section 7).
Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Materials to avoid	<ul> <li>Reactive or incompatible with the following materials:,oxidizing materials,strong acids, strong alkalis</li> </ul>
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

## 11. Toxicological information

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
1-methoxy-2-propanol	LD50 Oral	Rat	5.2 g/kg	-
	LD50 Dermal	Rabbit	13 g/kg	-
butanone	LD50 Oral	Rat	2737 mg/kg	-
	LD50 Dermal	Rabbit	6480 mg/kg	-
	LC50 Inhalation	Rat	11243 ppm	4 hours
	Vapor			
4,4'-Isopropylidenediphenol, oligomeric	LD50 Oral	Rat	540 mg/kg	-
reaction products with 1-chloro-2,				
3-epoxypropane, reaction products with				
diethylenetriamine				
-	LD50 Dermal	Rabbit	1494 mg/kg	-
n-butyl acetate	LD50 Oral	Rat	10.768 g/kg	-
	LD50 Dermal	Rabbit	>17600 mg/kg	-
	LC50 Inhalation	Rat	>21.1 mg/l	4 hours
butan-1-ol	LD50 Oral	Rat	0.79 g/kg	-
	LD50 Dermal	Rabbit	3400 mg/kg	-
	LC50 Inhalation	Rat	8000 ppm	4 hours
	Vapor			
heptan-2-one	LD50 Oral	Rat	1.6 g/kg	-
•	LD50 Dermal	Rabbit	10.206 g/kg	-
Isopropyl alcohol	LD50 Oral	Rat	4.396 g/kg	-
,	LD50 Dermal	Rabbit	12800 mg/kg	-
	LC50 Inhalation	Rat	72600 mg/m3	4 hours
	Vapor			
toluene	LD50 Oral	Rat	636 mg/kg	-
	LD50 Dermal	Rabbit	8.39 g/kg	1

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	LC50 Inhalation	Rat	49 g/m3	4 hours
Solvent naphtha (petroleum), light aromatic	LD50 Oral	Rat	8400 mg/kg	-
	LD50 Dermal	Rabbit	3.48 g/kg	-
1,2,4-trimethylbenzene	LD50 Oral	Rat	5 g/kg	-
•	LC50 Inhalation	Rat	18000 mg/m3	4 hours
2,2'-iminodiethylamine	LD50 Oral	Rat	1080 mg/kg	-
•	LD50 Dermal	Rabbit	1090 mg/kg	-
xylene	LD50 Oral	Rat	4.3 g/kg	-
	LD50 Dermal	Rabbit	>1.7 g/kg	-
	LC50 Inhalation	Rat	5000 ppm	4 hours
	Vapor			

Chronic toxicity	Not available.
<b>Conclusion/Summary</b>	: Not available.
Defatting irritant	<ul> <li>Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.</li> </ul>
<u>Target organs</u>	<ul> <li>Contains material which causes damage to the following organs: brain, central nervous system (CNS).</li> <li>Contains material which may cause damage to the following organs: blood, kidneys, lungs, the reproductive system, liver, heart, spleen, peripheral nervous system, upper respiratory tract, skin, ears, eye, lens or cornea, testes.</li> </ul>

### **Carcinogenicity**

#### **Classification**

Product/ingredient name		ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		A4	3	-	-
toluene		A4	3	-	-
Carcinogen Classification code:	IARC NTP: OSH	IH: A1, A2, A3, A4, A5 : 1, 2A, 2B, 3, 4 : Proven, Possible A: + isted or regulated as a	carcinogen: -		
Developmental effects	: Contains material which may cause developmental abnormalities, based on animal data.				
Fertility effects	: Cont	ains material which	h may impair femal	e fertility, based on	animal data.

## 12. Ecological information

**Environmental effects** : No known significant effects or critical hazards.

#### Aquatic ecotoxicity

Result	Species	Exposure
Acute LC50 3220000 to 3320000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
Acute LC50 >400 ppm Marine water	Fish - Sheepshead minnow - Cyprinodon variegatus	96 hours
Acute LC50 >520000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
Chronic NOEC 400 ppm Marine water	Fish - Sheepshead minnow - Cyprinodon variegatus	96 hours
Chronic NOEC <70000 ug/L Fresh	Daphnia - Water flea - Daphnia	48 hours
	Acute LC50 3220000 to 3320000 ug/L Fresh water Acute LC50 >400 ppm Marine water Acute LC50 >520000 ug/L Fresh water Chronic NOEC 400 ppm Marine water	Acute LC50 3220000 to 3320000 ug/L       Fish - Fathead minnow - Pimephales promelas         Acute LC50 >400 ppm Marine water       Fish - Sheepshead minnow - Cyprinodon variegatus         Acute LC50 >520000 ug/L Fresh water       Daphnia - Water flea - Daphnia magna         Chronic NOEC 400 ppm Marine water       Fish - Sheepshead minnow - Cyprinodon variegatus

## 12. Ecological information

	water	magna	
n-butyl acetate	Acute LC50 18000 to 19000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
butan-1-ol	Acute LC50 100 to 500 mg/L Fresh water	Fish - Bluegill - Lepomis macrochirus	96 hours
	Acute EC50 1983000 to 2072000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
heptan-2-one	Acute LC50 131000 to 137000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
Isopropyl alcohol	Acute LC50 >1400000 ug/L	Fish - Bluegill - Lepomis macrochirus	96 hours
toluene	Acute LC50 5800 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours
	Acute EC50 6000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
	Chronic NOEC 28000 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
1,2,4-trimethylbenzene	Acute LC50 7720 to 8280 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas	96 hours
2,2'-iminodiethylamine	Acute LC50 1014000 ug/L Fresh water	Fish - Guppy - Poecilia reticulata	96 hours
	Acute LC50 53500 ug/L Fresh water	Daphnia - Water flea - Daphnia magna	48 hours
xylene	Acute LC50 3300 to 4093 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss	96 hours

## 13. Disposal considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

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## 14. Transport information

	DOT	TDG	Mexico	IMDG
UN number	<b>1</b> 263	<b>1</b> 263	1263	1263
UN proper shipping name	PAINT	PAINT	PAINT	PAINT
Transport hazard class(es)	3	3	3	3
Packing group	W	W	W	<b>I</b>
Environmental hazards	No.	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	<b>32</b> 120.6	Not applicable.	Not applicable.	Not applicable.
RQ substances	(toluene, butanone)	Not applicable.	Not applicable.	Not applicable.

#### **Additional information**

DOT

: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

TDG	: None identified.
Mexico	: None identified.
IMDG	: None identified.

: None identified.

## 15. Regulatory information

United States inventory (TSCA 8b)	: All components are listed or exempted.
Australia inventory (AICS)	: At least one component is not listed.
Canada inventory ( DSL )	: All components are listed or exempted.
China inventory (IECSC)	: At least one component is not listed.
Europe inventory ( REACH )	: Please contact your supplier for information on the inventory status of this material.
Japan inventory (ENCS)	: Not determined.
Korea inventory (KECI)	: At least one component is not listed.
New Zealand(NZIoC)	: At least one component is not listed.
Philippines inventory (PICCS)	: Not determined.
United States	
kg); n-butyl acetate: 5000 lbs. (2	re found. s.: xylene: 100 lbs. (45.4 kg); acetone: 5000 lbs. (2270 kg); toluene: 1000 lbs. (454 270 kg); butanone: 5000 lbs. (2270 kg); butan-1-ol: 5000 lbs. (2270 kg); chemical Inventory - Hazard Identification:

Chemical name	<u>CAS #</u>	Acute	<u>Chronic</u>	<u>Fire</u>	Reactive	Pressure

Special precautions for user : Fransport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## ...

1-methoxy-2-propanol	107-98-2	Y	Ν	Y	N	Ν
butanone	78-93-3	Y	N	Y	N	N
4,4'-lsopropylidenediphenol, oligomeric reaction products wi 1-chloro-2,3-epoxypropane, reaction products with diethylenetriamine	31326-29-1 :h	Y	Ν	Ν	Ν	N
n-butyl acetate	123-86-4	Y	Ν	Y	Ν	N
butan-1-ol	71-36-3	Ý	N	Ý	N	N
heptan-2-one	110-43-0	Ý	N	Ý	N	N
Isopropyl alcohol	67-63-0	Y	Ν	Y	Ν	N
toluene	108-88-3	Y	Y	Y	Ν	N
Solvent naphtha (petroleum), lig aromatic	ht 64742-95-6	Y	Ν	Y	Ν	Ν
1,2,4-trimethylbenzene	95-63-6	Y	Ν	Y	Ν	Ν
2,2'-iminodiethylamine	111-40-0	Y	Ν	Ν	Y	N
Proc	uct as-supplied :	Y	Y	Y	Ν	Ν
SARA 313 C	nemical name			CAS number	<u>Concentra</u>	tion
Supplier notification : bu	itan-1-ol			71-36-3	3 - 7	
ls	opropyl alcohol			67-63-0	1 - 5	
to	luene			108-88-3	1 - 5	
1,	2,4-trimethylbenzene			95-63-6	1 - 5	

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

#### California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

#### Canada

WHMIS (Canada)

: Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). Class E: Corrosive liquid. Class D-2A: Material causing other toxic effects (Very toxic). Class D-2B: Material causing other toxic effects (Toxic).

#### **Mexico**

```
Classification
```

Flammability : 3 Health : 3 Reactivity : 0

### 16. Other information

Hazardous Material Information System (U.S.A.)

```
Health :
           3
                    Flammability : 3 Physical hazards :
                                                            0
(*) - Chronic
effects
```

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 3 Flammability : 3 Instability : 0 Date of previous issue : 10/8/2013. Organization that prepared : EHS the **MSDS** 

## 16. Other information

### Indicates information that has changed from previously issued version.

### **Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.