

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

CM0483928  
17 00

Revision Date Jun 28, 2014  
Revision Number 6.0  
Print Date Jul 19, 2014

## SECTION 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

### 1.1. PRODUCT IDENTIFIER

CM0483928  
High Solids Corrosion Resistant Epoxy Primer, Green

### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Paint or Paint-related Material

### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

THE SHERWIN-WILLIAMS COMPANY

101 Prospect Avenue N.W.

Cleveland, OH 44115

e-mail address of competent person responsible for the SDS:

### 1.4. EMERGENCY TELEPHONE NUMBER

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

F, N, T, R11, R20/21/22, R45, R51/53, R66

Toxic

Highly flammable

Dangerous for the environment

Highly flammable.

Harmful by inhalation, in contact with skin and if swallowed.

May cause cancer.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Repeated exposure may cause skin dryness or cracking.

### 2.2. LABEL ELEMENTS



Toxic



Highly flammable



Dangerous for the environment

### R - PHRASES

R11	Highly flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R45	May cause cancer.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.

**S – PHRASES**

S16	Keep away from sources of ignition - No smoking.
S2	Keep out of the reach of children.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S9	Keep container in a well-ventilated place.

**Hazardous Ingredients**

Strontium Chromate ;

**Supplemental Label Elements**

None

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

Restricted to professional users.

**2.3. OTHER HAZARDS**

Not Available

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. SUBSTANCES**

Not Available

**3.2. MIXTURES**

% by Weight	CAS Number	EC Number	REACH	EC CLASSIFICATION (67/548/EC, 1272/2008/EC)
0,1 - 1	64742-88-7	265-191-7		<b>F;R10 Xn;R65 N;R51/53</b> Asp. Tox. 1 H304
	Med. Aliphatic Hydrocarbon Solvent			
1 - 2,5	1330-20-7	215-535-7	01-2119488216-32	<b>R10 Xn;R20/21 Xi;R38</b> Acute Tox. Dermal 4 H312, Acute Tox. Inhal 4 H332, Flam. Liq. 3 H226, Skin Irrit. 2 H315
	Xylene			
0,1 - 1	64742-95-6	265-199-0		<b>F;R10 Xn;R65 Xi;R37 R66 R67 N;R51/53</b> Flam. Liq. 3 H226, STOT SE 3 H335, STOT SE 3 H336, Asp. Tox. 1 H304, Aquatic Chronic 2 H411, EUH066
	Light Aromatic Hydrocarbons			
10 - 25	67-64-1	200-662-2	01-2119471330-49	<b>F;R11 Xi;R36 R66 R67</b> Eye Irrit. 2 H319, Flam. Liq. 2 H225, STOT SE 3 H336
	Acetone			
1 - 2,5	108-10-1	203-550-1	01-2119473980-30	<b>F;R11 Xn;R20 Xi;R36/37 R66</b> Acute Tox. Inhal 4 H332, Eye Irrit. 2 H319, Flam. Liq. 2 H225, STOT SE 3 H335
	Methyl Isobutyl Ketone			
2,5 - 10	110-43-0	203-767-1		<b>R10 Xn;R20/22</b> Acute Tox. Oral 4 H302, Acute Tox. Inhal 4 H332, Flam. Liq. 3 H226
	Methyl n-Amyl Ketone			
10 - 25	66402-68-4			
	Calcined Kaolin Clay			
1 - 2,5	1332-58-7			
	Kaolin			
10 - 25	13463-67-7			
	Titanium Dioxide			
10 - 25	7789-06-2	232-142-6		<b>Xn;R22 Carc.Cat.2;R45 N;R50 R53</b> Acute Tox. Oral 4 H302, Aquatic Acute 1 H400, Aquatic Chronic 1 H410, Carc. 1B H350
	Strontium Chromate			

**Substance meets the criteria for PBT-VPVB according to Regulation (EC) No. 1907/2006, Annex XIII**

None

For the full text of the H-Statements and R-phrases mentioned in this section, see Section 16.

**SECTION 4. FIRST-AID MEASURES****4.1. DESCRIPTION OF FIRST AID MEASURES**

Never give anything by mouth to an unconscious person.

If unconscious place in recovery position and seek medical advice.

**EYES:** Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.**SKIN:** Remove contaminated clothing.  
Wash skin thoroughly with soap and water or use recognised skin cleanser.  
Do NOT use solvents or thinners.  
Launder clothes before reuse.**INHALATION:** Remove to fresh air, keep patient warm and at rest.

If breathing is irregular or stopped, administer artificial respiration. Obtain medical attention.

**INGESTION:** If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

Keep at rest.

Do NOT induce vomiting.

#### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

May cause allergic skin reaction in susceptible persons or skin sensitization.

In all cases of doubt, or when symptoms persist, seek medical attention.

#### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not Available

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1. EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

### 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Cool closed containers exposed to fire with water.

Do not allow run-off from fire fighting to enter drains or water courses.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### 5.3. ADVICE FOR FIREFIGHTERS

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Cool closed containers exposed to fire with water.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Remove all sources of ignition. Ventilate the area.

Follow protective measures listed in Sections 7 and 8.

### 6.2. ENVIRONMENTAL PRECAUTIONS

Do not allow product to enter drains or waterways.

If the product enters drains or sewers, notify the local water authorities; in the case of contamination of streams, rivers or lakes contact the environmental authorities.

### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

### 6.4. REFERENCE TO OTHER SECTIONS

Refer to emergency contacts in Section 1. Refer to protective measures in Section 8. For the waste regulations see Section 13.

## SECTION 7. HANDLING AND STORAGE

### 7.1. PRECAUTIONS FOR SAFE HANDLING

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

Use only with adequate ventilation.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Wash hands after using.

Keep out of the reach of children.

Do not take internally.

Contents are **EXTREMELY FLAMMABLE**. Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Use approved Bonding and Grounding procedures.

Ground containers during transfer operations and use only suitable containers for flammable liquids.

- Strong vigorous stirring or flow of the liquid through piping and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product.

- Open containers with caution because they may be under pressure.

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

### 7.3. SPECIFIC END USE(S)

Paint or Paint-related Material

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. CONTROL PARAMETERS

EH40/2005 WELs (UK 1/2012)

CAS Number	Ingredient		STEL		TWA		
			PPM	MG/M3	PPM	MG/M3	
1330-20-7	Xylene	GB	100	441	50	220	Possibility of significant uptake through the skin
67-64-1	Acetone	GB	1500	3620	500	1210	
108-10-1	Methyl Isobutyl Ketone	GB	100	416	50	208	Possibility of significant uptake through the skin
110-43-0	Methyl n-Amyl Ketone	GB	100	475	50	237	Possibility of significant uptake through the skin
1332-58-7	Kaolin	GB		6		2	
13463-67-7	Titanium Dioxide	GB		12		4	

### 8.2. EXPOSURE CONTROLS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

#### 8.2.1. APPROPRIATE ENGINEERING CONTROLS

Provide adequate ventilation.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### 8.2.2. INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 3) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 3, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction).

##### A) EYE/FACE PROTECTION

Wear safety spectacles with unperforated sideshields.

##### B) SKIN PROTECTION

###### I) HAND PROTECTION

Wear gloves which are recommended by glove supplier for protection against materials in Section 3.

Choose gloves in accordance with 89/656/EEC and tested to EN 374-3. For prolonged or repeated handling, multilayer laminated gloves provide maximum protection. Other gloves may provide acceptable protection if chosen in accordance with EN 374-3, the European Solvents Industry Group (ESIG) Best Practices Guide, and glove manufacturers recommendations.

###### II) OTHER

Use of barrier cream on exposed skin is recommended.

##### C) RESPIRATORY PROTECTION

If this product contains ingredients with exposure limits, workplace and/or biological monitoring may be required to determine the necessity for and effectiveness of the ventilation equipment, personal protective equipment, and other control measures. Refer to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and to national guidance documents for methods used for the determination of hazardous substance exposure.

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator.

We recommend either of the following:

- a half-mask respirator of type FFA2P3D EN 405 : 2001 + A1 : 2009

- a half-mask respirator with filters in accordance with EN140. For gases and vapours, use filters in accordance with A2 EN141 + EN 14387 : 2004 for protection against materials in Section 3.

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a EN 143 P3 particulate respirator tested in accordance with EN 14387 for protection against non-volatile materials in Section 3.

##### D) THERMAL HAZARDS

Not Available

#### 8.2.3. ENVIRONMENTAL EXPOSURE CONTROLS

Not Available

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Liquid	
<b>ODOUR</b>	Paint	
<b>ODOUR THRESHOLD</b>	Not tested due to nature of the product.	
<b>pH</b>	Not tested due to nature of the product.	
<b>MELTING POINT</b>	Not Available	
<b>BOILING POINT</b>	55 - 153 °C	132 - 308 °F
<b>FLASH POINT</b>	-16 °C	4 °F
<b>EVAPORATION RATE</b>	Slower than ether	
<b>FLAMMABILITY</b>	Not tested due to nature of the product.	
<b>UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS</b>	12.8% / 1%	
<b>VAPOUR PRESSURE</b>	Not tested due to nature of the product.	
<b>VAPOR DENSITY</b>	Heavier than air	
<b>RELATIVE DENSITY</b>	1.53	
<b>SOLUBILITY(IES)</b>	Not tested due to nature of the product.	
<b>PARTITION COEFFICIENT: N-OCTANOL/WATER</b>	Not tested due to nature of the product.	
<b>AUTO-IGNITION TEMPERATURE</b>	Not tested due to nature of the product.	
<b>DECOMPOSITION TEMPERATURE</b>	Not tested due to nature of the product.	
<b>VISCOSITY</b>	Not tested due to nature of the product.	
<b>EXPLOSIVE PROPERTIES</b>	Not tested due to nature of the product.	
<b>OXIDISING PROPERTIES</b>	Not tested due to nature of the product.	
<b>PRODUCT WEIGHT</b>	1523 g/l	12.71 lb/gal
<b>VOLATILE VOLUME</b>	51%	

### 9.2. OTHER INFORMATION

Not Available

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. REACTIVITY

None known.

### 10.2. CHEMICAL STABILITY

Stable

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None known.

### 10.4. CONDITIONS TO AVOID

None known.

### 10.5. INCOMPATIBLE MATERIALS

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide , Oxides of Metals in Section 3

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

#### Acute Toxicity

CAS Number	EC Number	Substance Name/Test Data
13463-67-7		Titanium Dioxide Oral LD50 Rat >10000 mg/kg (Source: IUCLID)
67-64-1	200-662-2	Acetone Inhalation LC50 Rat 50100 mg/m3 8 h
1330-20-7	215-535-7	Xylene

		Inhalation LC50 Rat 47635 mg/L 4 h (Source: IUCLID); Oral LD50 Rat 4300 mg/kg (Source: IUCLID)
108-10-1	203-550-1	<b>Methyl Isobutyl Ketone</b> Dermal LD50 Rabbit >16000 mg/kg (Source: NLM_CIP); Inhalation LC50 Rat 8.2 mg/L 4 h (Source: IUCLID); Oral LD50 Rat 2080 mg/kg (Source: NLM_CIP)
64742-88-7	265-191-7	<b>Med. Aliphatic Hydrocarbon Solvent</b> Dermal LD50 Rabbit 3000 mg/kg (Source: IUCLID); Inhalation LC50 Rat >5.28 mg/L 4 h (Source: NLM_CIP); Oral LD50 Rat >5000 mg/kg (Source: IUCLID)
64742-95-6	265-199-0	<b>Light Aromatic Hydrocarbons</b> Dermal LD50 Rabbit >2000 mg/kg (Source: IUCLID); Inhalation LC50 Rat 3400 ppm 4 h (Source: IUCLID)

**Skin Corrosion/Irritation**

Not Available

**Serious Eye Damage/Irritation**

Not Available

**Respiratory/Skin Sensitization**

Not Available

**Germ Cell Mutagenicity**

Not Available

**Carcinogenicity**

Not Available

**Reproductive Toxicity**

Not Available

**Aspiration Hazard**

Not Available

**ROUTES OF EXPOSURE**

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

**EFFECTS OF OVEREXPOSURE****EYES:** Irritation.**SKIN:** Prolonged or repeated exposure may cause irritation.**INHALATION:** None generally recognized.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in Section 3 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system
- the reproductive system

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

May cause allergic skin reaction in susceptible persons or skin sensitization.

## SECTION 12. ECOLOGICAL INFORMATION

### 12.1. TOXICITY

CAS Number	EC Number	Substance Name/Test Data
67-64-1	200-662-2	<b>Acetone</b> 5 Days LC50 Phasianus colchicus: >40000 ppm [Diet]; 5 Days LC50 Coturnix coturnix japonica: >40000 ppm [Diet] 48 Hr LC50 Eisenia foetida: 200 - 1000 µg/cm2 [filter paper] 96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales promelas: 6210 - 8120 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L 48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 - 12700 mg/L
110-43-0	203-767-1	<b>Methyl n-Amyl Ketone</b> 96 Hr LC50 Pimephales promelas: 126 - 137 mg/L [flow-through]
1330-20-7	215-535-7	<b>Xylene</b> 96 Hr LC50 Pimephales promelas: 13.4 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 2.661 - 4.093 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 13.5 - 17.3 mg/L; 96 Hr LC50 Lepomis macrochirus: 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 19 mg/L; 96 Hr LC50 Lepomis macrochirus: 7.711 - 9.591 mg/L [static]; 96 Hr LC50 Pimephales promelas: 23.53 - 29.97 mg/L [static]; 96 Hr LC50 Cyprinus carpio: 780 mg/L [semi-static]; 96 Hr LC50 Cyprinus carpio: >780 mg/L; 96 Hr LC50 Poecilia reticulata: 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 Gammarus lacustris: 0.6 mg/L
108-10-1	203-550-1	<b>Methyl Isobutyl Ketone</b> 96 Hr EC50 Pseudokirchneriella subcapitata: 400 mg/L 96 Hr LC50 Pimephales promelas: 496 - 514 mg/L [flow-through] 48 Hr EC50 Daphnia magna: 170 mg/L
64742-88-7	265-191-7	<b>Med. Aliphatic Hydrocarbon Solvent</b> 96 Hr EC50 Pseudokirchneriella subcapitata: 450 mg/L 96 Hr LC50 Pimephales promelas: 800 mg/L [static] 48 Hr EC50 Daphnia magna: >100 mg/L
64742-95-6	265-199-0	<b>Light Aromatic Hydrocarbons</b> LD50 Colinus virginianus: >2250 mg/kg 5 Days LC50 Colinus virginianus: >6500 ppm [Diet] 96 Hr LC50 Oncorhynchus mykiss: 9.22 mg/L 48 Hr EC50 Daphnia magna: 6.14 mg/L

Not Available

### 12.3. BIOACCUMULATIVE POTENTIAL

Not Available

### 12.4. MOBILITY IN SOIL

Not Available

### 12.5. RESULTS OF PBT AND VPOB ASSESSMENT

Not Applicable

### 12.6. OTHER ADVERSE EFFECTS

Not Available

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

#### Methods of Disposal

Do not allow product to enter drains or waterways.

#### European Waste Catalogue (EWC)

08 01 11\*: Waste paint and varnish containing organic solvents or other dangerous substances

This material and its container must be disposed of as hazardous waste. Dispose of as hazardous waste in compliance with local and national regulations.

#### Type of Packaging

15 01 04(metal)  
15 01 02 (plastic)

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

#### Contaminated Packaging

15 01 10

Dispose of as unused product.

Do not burn, or use a cutting torch on, the empty drum.

Do not re-use empty containers.

#### Thermoset Plastic Waste

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

## SECTION 14. TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	<u>Classification Code</u> F1 <u>Transport Category</u> 2 <u>ADR Tunnel Code</u> D/E	<u>Emergency schedules (EmS)</u> F-E, S-E 5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.	Not Applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable	Not Applicable	Not Applicable
14.8 Technical Names	Not Applicable	Not Applicable	Not Applicable

## SECTION 15. REGULATORY INFORMATION

### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Total volatile organic compounds (VOC): 27.41 %  
 Total volatile organic carbon: 18.49 %

**For Italian Customers only – Classes of solvents according to Italian Legislative Decree 152/06 (Table D, Part II, Annex I)**

<b>Classification</b>	<b>%</b>
5	14.5
3	2.8
4	2.0

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**  
 Restricted to professional users.

**Annex XIV - List of substances subject to authorization, Substances of very high concern**  
 Strontium Chromate 7789-06-2

### 15.2. CHEMICAL SAFETY ASSESSMENT

This product contains substances for which Chemical Safety Assessments are still required.



## SECTION 16. OTHER INFORMATION

### FULL TEXT OF R – PHRASES REFERENCED IN SECTION 3.

(67/548/EC, 1272/2008/EC)

- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R20/22 Harmful by inhalation and if swallowed.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R36/37 Irritating to eyes and respiratory system.
- R37 Irritating to respiratory system.
- R38 Irritating to skin.
- R45 May cause cancer.
- R50 Very toxic to aquatic organisms.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R53 May cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
  
- EUH066 Repeated exposure may cause skin dryness or cracking.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H350 May cause cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

### 16.1. CHANGES SINCE LAST REVISION

#### 3.2. MIXTURES

#### SECTION 16. OTHER INFORMATION

#### BIBLIOGRAPHY:

Directive 1999/45/EC, and relative amendments & additions  
 Directive 67/548/EEC, and relative amendments & additions  
 Directive 96/82/EC, and relative amendments & additions  
 Directive 1999/45/EC, and relative amendments & additions  
 Directive 91/156/EC, and relative amendments & additions  
 Directive 2000/39/EC, and relative amendments & additives  
 Regulation (EC) No. 1907/2006, and relative amendments & additions  
 Regulation (EC) No. 1272/2008, and relative amendments & additions  
 Regulation (EU) No. 453/2010, and relative amendments & additions  
 CEPE Guide to Labelling and Packaging of Dangerous Preparations  
 Dangerous Good Regulation (IATA)  
 International Maritime Dangerous Goods Code (IMDG)  
 International Carriage of Dangerous Goods by Road (ADR)  
 EH40/2005 Workplace exposure limits  
 Hazard Information and Packaging for Supply Regulations 2009  
 Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

CM0120828  
13 00

Revision Date Apr 4, 2014  
Revision Number 2.0  
Print Date May 18, 2014

## SECTION 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

### 1.1. PRODUCT IDENTIFIER

CM0120828  
High Solids Epoxy Primer Adduct

### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Paint or Paint-related Material

### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

THE SHERWIN-WILLIAMS COMPANY

101 Prospect Avenue N.W.

Cleveland, OH 44115

e-mail address of competent person responsible for the SDS:

### 1.4. EMERGENCY TELEPHONE NUMBER

## SECTION 2. HAZARDS IDENTIFICATION

### 2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

F, Xn, R11, R20/22, R41, R66, R67

Harmful

Highly flammable

Highly flammable.

Harmful by inhalation and if swallowed.

Risk of serious damage to eyes.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

### 2.2. LABEL ELEMENTS

Xn



Harmful

F



Highly flammable

#### R – PHRASES

R11 Highly flammable.  
R20/22 Harmful by inhalation and if swallowed.  
R41 Risk of serious damage to eyes.  
R66 Repeated exposure may cause skin dryness or cracking.  
R67 Vapours may cause drowsiness and dizziness.

#### S – PHRASES

S16 Keep away from sources of ignition - No smoking.  
S2 Keep out of the reach of children.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S7/9 Keep container tightly closed and in a well-ventilated place.

**Hazardous Ingredients**

1-Butanol ; Methyl n-Amyl Ketone ; Tri(dimethylaminomethyl)phenol ;

**Supplemental Label Elements**

None

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

None

**2.3. OTHER HAZARDS**

Not Available

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1. SUBSTANCES**

Not Available

**3.2. MIXTURES**

% by Weight	CAS Number	EC Number	REACH	EC CLASSIFICATION (67/548/EC, 1272/2008/EC)
10 - 25	71-36-3	200-751-6		<b>R10 Xn;R22 Xi;R37/38 R41 R67</b> Acute Tox. Oral 4 H302, Eye Dam. 1 H318, Flam. Liq. 3 H226, STOT SE 3 H335, STOT SE 3 H336, Skin Irrit. 2 H315
	1-Butanol			
10 - 25	67-64-1	200-662-2	01-2119471330-49	<b>F;R11 Xi;R36 R66 R67</b> Eye Irrit. 2 H319, Flam. Liq. 2 H225, STOT SE 3 H336
	Acetone			
25 - 50	110-43-0	203-767-1		<b>R10 Xn;R20/22</b> Acute Tox. Oral 4 H302, Acute Tox. Inhal 4 H332, Flam. Liq. 3 H226
	Methyl n-Amyl Ketone			
2,5 - 10	90-72-2	202-013-9		<b>Xn;R22 Xi;R36/38</b> Acute Tox. Oral 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315
	Tri(dimethylaminomethyl)phenol			
2,5 - 10	68410-23-1			<b>Xi;R41</b>
	Polyamide			

**Substance meets the criteria for PBT-VPVB according to Regulation (EC) No. 1907/2006, Annex XIII**

None

For the full text of the H-Statements and R-phrases mentioned in this section, see Section 16.

**SECTION 4. FIRST-AID MEASURES****4.1. DESCRIPTION OF FIRST AID MEASURES**

Never give anything by mouth to an unconscious person.

If unconscious place in recovery position and seek medical advice.

**EYES:** Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.**SKIN:** Remove contaminated clothing.  
Wash skin thoroughly with soap and water or use recognised skin cleanser.  
Do NOT use solvents or thinners.  
Launder clothes before reuse.**INHALATION:** Remove to fresh air, keep patient warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration. Obtain medical attention.**INGESTION:** If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.  
Keep at rest.  
Do NOT induce vomiting.**4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

May cause allergic skin reaction in susceptible persons or skin sensitization.

In all cases of doubt, or when symptoms persist, seek medical attention.

**4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

Not Available

**SECTION 5. FIRE-FIGHTING MEASURES****5.1. EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

**5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE**

Cool closed containers exposed to fire with water.

Do not allow run-off from fire fighting to enter drains or water courses.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**5.3. ADVICE FOR FIREFIGHTERS**

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Cool closed containers exposed to fire with water.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Remove all sources of ignition. Ventilate the area. Follow protective measures listed in Sections 7 and 8.

**6.2. ENVIRONMENTAL PRECAUTIONS**

Do not allow product to enter drains or waterways. If the product enters drains or sewers, notify the local water authorities; in the case of contamination of streams, rivers or lakes contact the environmental authorities.

**6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

**6.4. REFERENCE TO OTHER SECTIONS**

Refer to emergency contacts in Section 1. Refer to protective measures in Section 8. For the waste regulations see Section 13.

**SECTION 7. HANDLING AND STORAGE**

**7.1. PRECAUTIONS FOR SAFE HANDLING**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

Use only with adequate ventilation.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Wash hands after using.

Keep out of the reach of children.

Do not take internally.

Contents are EXTREMELY FLAMMABLE. Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Use approved Bonding and Grounding procedures.

Ground containers during transfer operations and use only suitable containers for flammable liquids.

- Strong vigorous stirring or flow of the liquid through piping and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product.

- Open containers with caution because they may be under pressure.

**7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

**7.3. SPECIFIC END USE(S)**

Paint or Paint-related Material

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. CONTROL PARAMETERS**

EH40/2005 WELs (UK 1/2012)

CAS Number	Ingredient	STEL		TWA		
		PPM	MG/M3	PPM	MG/M3	
71-36-3	1-Butanol	GB 50	154			Possibility of significant uptake through the skin
67-64-1	Acetone	GB 1500	3620	500	1210	
110-43-0	Methyl n-Amyl Ketone	GB 100	475	50	237	Possibility of significant uptake through the skin

**8.2. EXPOSURE CONTROLS**

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

**8.2.1. APPROPRIATE ENGINEERING CONTROLS**

Provide adequate ventilation.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**8.2.2. INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT**

Use only with adequate ventilation.

Do not get in eyes, or on skin or clothing. Do not breathe vapor or spray mist.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 3) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 3, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction).

**A) EYE/FACE PROTECTION**

To prevent eye contact, wear safety spectacles with unperforated sideshields.

**B) SKIN PROTECTION**

**I) HAND PROTECTION**

To prevent skin contact, wear gloves which are recommended by glove supplier for protection against materials in Section 3. Choose gloves in accordance with 89/656/EEC and tested to EN 374-3. For prolonged or repeated handling, multilayer laminated gloves provide maximum protection. Other gloves may provide acceptable protection if chosen in accordance with EN 374-3, the European Solvents Industry Group (ESIG) Best Practices Guide, and glove manufacturers recommendations.

**II) OTHER**

Use barrier cream on exposed skin.

**C) RESPIRATORY PROTECTION**

If this product contains ingredients with exposure limits, workplace and/or biological monitoring may be required to determine the necessity for and effectiveness of the ventilation equipment, personal protective equipment, and other control measures. Refer to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and to national guidance documents for methods used for the determination of hazardous substance exposure.

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator.

We recommend either of the following:

- a half-mask respirator of type FFA2P3D EN 405 : 2001 + A1 : 2009
- a half-mask respirator with filters in accordance with EN140. For gases and vapours, use filters in accordance with A2 EN141 + EN 14387 : 2004 for protection against materials in Section 3.

When sanding or abrading the dried film, wear a EN 143 P2 dust/mist respirator tested in accordance with EN 14387 for dust which may be generated from this product, underlying paint, or the abrasive.

**D) THERMAL HAZARDS**

Not Available

**8.2.3. ENVIRONMENTAL EXPOSURE CONTROLS**

Not Available

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE</b>	Liquid	
<b>ODOUR</b>	Paint	
<b>ODOUR THRESHOLD</b>	Not tested due to nature of the product.	
<b>pH</b>	Not tested due to nature of the product.	
<b>MELTING POINT</b>	Not Available	
<b>BOILING POINT</b>	55 - 153 °C	132 - 308 °F
<b>FLASH POINT</b>	-16 °C	4 °F
<b>EVAPORATION RATE</b>	Slower than ether	
<b>FLAMMABILITY</b>	Not tested due to nature of the product.	
<b>UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS</b>	12.8% / 1.1%	
<b>VAPOUR PRESSURE</b>	Not tested due to nature of the product.	
<b>VAPOR DENSITY</b>	Heavier than air	
<b>RELATIVE DENSITY</b>	0.88	
<b>SOLUBILITY(IES)</b>	Not tested due to nature of the product.	
<b>PARTITION COEFFICIENT: N-OCTANOL/WATER</b>	Not tested due to nature of the product.	
<b>AUTO-IGNITION TEMPERATURE</b>	Not tested due to nature of the product.	
<b>DECOMPOSITION TEMPERATURE</b>	Not tested due to nature of the product.	
<b>VISCOSITY</b>	Not tested due to nature of the product.	
<b>EXPLOSIVE PROPERTIES</b>	Not tested due to nature of the product.	
<b>OXIDISING PROPERTIES</b>	Not tested due to nature of the product.	
<b>PRODUCT WEIGHT</b>	878 g/l	7.33 lb/gal
<b>VOLATILE VOLUME</b>	65%	

**9.2. OTHER INFORMATION**

Not Available

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. REACTIVITY

None known.

### 10.2. CHEMICAL STABILITY

Stable

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None known.

### 10.4. CONDITIONS TO AVOID

None known.

### 10.5. INCOMPATIBLE MATERIALS

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6. HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

## SECTION 11. TOXICOLOGICAL INFORMATION

### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

#### Acute Toxicity

CAS Number	EC Number	Substance Name/Test Data
71-36-3	200-751-6	<b>1-Butanol</b> Dermal LD50 Rabbit 3400 mg/kg (Source: NZ_CCID); Inhalation LC50 Rat 8000 ppm 4 h (Source: NLM_CIP); Oral LD50 Rat 790 mg/kg (Source: NZ_CCID)
67-64-1	200-662-2	<b>Acetone</b> Inhalation LC50 Rat 50100 mg/m3 8 h
90-72-2	202-013-9	<b>Tri(dimethylaminomethyl)phenol</b> Dermal LD50 Rat 1280 mg/kg; Oral LD50 Rat 1000 mg/kg (Source: IUCLID)

#### Skin Corrosion/Irritation

Not Available

#### Serious Eye Damage/Irritation

Not Available

#### Respiratory/Skin Sensitization

Not Available

#### Germ Cell Mutagenicity

Not Available

#### Carcinogenicity

Not Available

#### Reproductive Toxicity

Not Available

#### Aspiration Hazard

Not Available

#### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

#### EFFECTS OF OVEREXPOSURE

**EYES:** Causes burns.

**SKIN:** Prolonged or repeated exposure may cause irritation.

**INHALATION:** None generally recognized.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in Section 3 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic skin reaction in susceptible persons or skin sensitization.

**SECTION 12. ECOLOGICAL INFORMATION**

**12.1. TOXICITY**

CAS Number	EC Number	Substance Name/Test Data
110-43-0	203-767-1	<b>Methyl n-Amyl Ketone</b> 96 Hr LC50 Pimephales promelas: 126 - 137 mg/L [flow-through]
71-36-3	200-751-6	<b>1-Butanol</b> 96 Hr EC50 Desmodemus subspicatus: >500 mg/L; 72 Hr EC50 Desmodemus subspicatus: >500 mg/L 96 Hr LC50 Pimephales promelas: 1730 - 1910 mg/L [static]; 96 Hr LC50 Pimephales promelas: 1740 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 100000 - 500000 µg/L [static]; 96 Hr LC50 Pimephales promelas: 1910000 µg/L [static] 48 Hr EC50 Daphnia magna: 1983 mg/L; 48 Hr EC50 Daphnia magna: 1897 - 2072 mg/L [Static]
67-64-1	200-662-2	<b>Acetone</b> 5 Days LC50 Phasianus colchicus: >40000 ppm [Diet]; 5 Days LC50 Coturnix coturnix japonica: >40000 ppm [Diet] 48 Hr LC50 Eisenia foetida: 200 - 1000 µg/cm2 [filter paper] 96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales promelas: 6210 - 8120 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L 48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 - 12700 mg/L

Not Available

**12.3. BIOACCUMULATIVE POTENTIAL**

Not Available

**12.4. MOBILITY IN SOIL**

Not Available

**12.5. RESULTS OF PBT AND VPCV ASSESSMENT**

Not Applicable

**12.6. OTHER ADVERSE EFFECTS**

Not Available

**SECTION 13. DISPOSAL CONSIDERATIONS**

**13.1 Waste Treatment Methods**

**Methods of Disposal**

Do not allow product to enter drains or waterways.

**European Waste Catalogue (EWC)**

08 01 11\*: Waste paint and varnish containing organic solvents or other dangerous substances

This material and its container must be disposed of as hazardous waste. Dispose of as hazardous waste in compliance with local and national regulations.

**Type of Packaging**

15 01 04(metal)

15 01 02 (plastic)

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

**Contaminated Packaging**

15 01 10

Dispose of as unused product.

Do not burn, or use a cutting torch on, the empty drum.

Do not re-use empty containers.

**Thermoset Plastic Waste**

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

**SECTION 14. TRANSPORT INFORMATION**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

	ADR/RID	IMDG	IATA/ICAO
<b>14.1 UN number</b>	UN1263	UN1263	UN1263
<b>14.2 UN proper shipping name</b>	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
<b>14.3 Transport hazard class(es)</b>	3	3	3
<b>14.4 Packing group</b>	II	II	II
<b>14.5 Environmental hazards</b>	No	No	No

<b>14.6 Special precautions for user</b>	<u>Classification Code</u> F1 <u>Transport Category</u> 2 <u>ADR Tunnel Code</u> D/E	<u>Emergency schedules (EmS)</u> F-E, S-E 5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.	Not Applicable
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.8 Technical Names</b>	Not Applicable	Not Applicable	Not Applicable

## SECTION 15. REGULATORY INFORMATION

### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Total volatile organic compounds (VOC): 59.79 %  
Total volatile organic carbon: 41.64 %

**For Italian Customers only – Classes of solvents according to Italian Legislative Decree 152/06 (Table D, Part II, Annex I)**

Classification	%
3	11.2
5	10.9
4	1.0

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**  
None

**Annex XIV - List of substances subject to authorization, Substances of very high concern**  
None

### 15.2. CHEMICAL SAFETY ASSESSMENT

This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16. OTHER INFORMATION

### FULL TEXT OF R – PHRASES REFERENCED IN SECTION 3.

(67/548/EC, 1272/2008/EC)

- R10 Flammable.
- R11 Highly flammable.
- R20/22 Harmful by inhalation and if swallowed.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.
- R37/38 Irritating to respiratory system and skin.
- R41 Risk of serious damage to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
  
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.

### 16.1. CHANGES SINCE LAST REVISION

SECTION 1. IDENTIFICATION OF THE PREPARATION AND COMPANY  
3.2. MIXTURES  
SECTION 7. HANDLING AND STORAGE  
SECTION 11. TOXICOLOGICAL INFORMATION  
SECTION 12. ECOLOGICAL INFORMATION  
SECTION 14. TRANSPORT INFORMATION  
SECTION 15.1 Annex XIV



**BIBLIOGRAPHY:**

Directive 1999/45/EC, and relative amendments & additions  
Directive 67/548/EEC, and relative amendments & additions  
Directive 96/82/EC, and relative amendments & additions  
Directive 1999/45/EC, and relative amendments & additions  
Directive 91/156/EC, and relative amendments & additions  
Directive 2000/39/EC, and relative amendments & additives  
Regulation (EC) No. 1907/2006, and relative amendments & additions  
Regulation (EC) No. 1272/2008, and relative amendments & additions  
Regulation (EU) No. 453/2010, and relative amendments & additions  
CEPE Guide to Labelling and Packaging of Dangerous Preparations  
Dangerous Good Regulation (IATA)  
International Maritime Dangerous Goods Code (IMDG)  
International Carriage of Dangerous Goods by Road (ADR)  
EH40/2005 Workplace exposure limits  
Hazard Information and Packaging for Supply) Regulations 2009  
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.