

Safety Data Sheet



Revision Date 27-Feb-2018
SDS No 27 Version 1.1

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name **CM Primer**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use **Primers**

1.3 Details of the supplier of the safety data sheet

Supplier **Hitex Traffic Safety Ltd**
Cloister Way
Ellesmere Port
Cheshire, CH65 4EL
United Kingdom
Phone: +44 (0) 151 355 4100
Fax: +44 (0) 151 355 4171

This telephone number is available during office hours only

For further information, please contact: info@hitexinternational.com

1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA
Chemtrec: 1-800-424-9300 USA

Europe	112
Austria	+43 1 406 43 43
Belgium	Poison center (BE): +32 70 245 245
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
Finland	Poison Information Centre (FI): +358 9 471 977
France	ORFILA (FR): + 01 45 42 59 59
Germany	Poison Center Berlin (DE): +49 030 30686 790 Poison Center Nord: +49 551 19240 (24h available English / German)
Ireland	National Poisons Information Centre (IE): +353 1 8379964
Iceland	+354 543 2222
Italy	Poison Centre, Milan (IT): +39 02 6610 1029
Luxembourg	112
Netherlands	National Poisons Information Centre (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway	Poisons Information (NO): + 47 22 591300
Portugal	Poison Information Centre (PT): +351 21 330 3284
Spain	Poison Information Service (ES): +34 91 562 04 20
Sweden	Poisons Information Center (SV): +46 8 33 12 31
Switzerland	Poison Center: Tel 145; +41 44 251 51 51
United Kingdom	111

2. Hazards identification

2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Skin sensitisation	Category 1 - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Flammable liquids	Category 2 - (H225)

2.2 Label elements



Signal Word

Danger

Hazard Statements

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H335 – May cause respiratory irritation

H225 – Highly flammable liquid and vapour

EUH208 - Contains 2-HYDROXYETHYL METHACRYLATE May produce an allergic reaction

Precautionary Statements - EU (§28,1272/2008)

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P243 - Take precautionary measures against static discharge

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Contains METHYL METHACRYLATE, ETHYLENEGLYCOL DIMETHACRYLATE

2.3. Other Hazards

No information available

3. Composition/information on ingredients

3.1 Substances

This product is a mixture. Health hazard information is based on its components

3.2 Mixtures

Chemical Name	EC-No	CAS-No	Weight percent	GHS Classification	REACH Registration Number
METHYL METHACRYLATE	201-297-1	80-62-6	50-75	STOT SE 3 (H335) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Flam Liq. 2 (H225)	01-2119452498-28 -XXXX

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ETHYLENGLYCOL DIMETHACRYLATE	202-617-2	97-90-5	1-2.5	Skin Irrit 2 (H315) Skin Sens. 1 (H317) Flam Liq. 2 (H225)	01-2119965172- 38-XXXXX
2-HYDROXYETHYL METHACRYLATE	212-782-2	868-77-9	<1	Skin Irrit 2 (H315) Eye Irrit 2 (H319) Skin Sense 1 (H317)	01-2119490169- 29-XXXXX

For the full text of the H-Statements mentioned in this Section, see

Section16

4. First Aid Measures

4.1 Description of first aid measures

General advice

Move out of dangerous area. Take off all contaminated clothing immediately.

Inhalation

Move to fresh air. Keep respiratory tract clear. If unconscious place in recovery position and seek medical advice. If not breathing, give artificial respiration. Call a physician if irritation develops or persists.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Call a physician if irritation develops or persists.

Eye contact

Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Ingestion

Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician

Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media

Alcohol resistant foam, Carbon dioxide (CO₂), Dry chemical, Watermist.

Extinguishing media which shall not be used for safety reasons

High volume water jet

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. Flash back possible over considerable distance. Explosive reaction may occur on heating or burning. Burning produces irritant fumes.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Keep containers and surroundings cool with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes and clothing.

Advice for emergency responders

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system. See Section 12 for additional Ecological Information.

6.3 Methods and materials for containment and cleaning up

Methods for Containment Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (see Section 13).

Methods for cleaning up Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Electrical equipment should be protected to the appropriate standard. Use only explosion-proof equipment.

6.4 Reference to other sections See section 8 for more information

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Provide exhaust ventilation close to floor level. Vapours are heavier than air and can cause suffocation by reducing oxygen available for breathing. Open drum carefully as content may be under pressure. Use only in well-ventilated areas. Vapours may form explosive mixtures with air. Keep product and empty container away from heat and sources of ignition. Take measures to prevent the build-up of electrostatic charge. Do not use sparking tools. Use only explosion-proof equipment. Have fire extinguishers ready before opening the drum.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Keep working clothes separately.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

Store in original container. Never fill containers more than 80 % because aerial oxygen is necessary for stabilising. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Keep in an area equipped with solvent resistant flooring. Do not store together with oxidizing and self-igniting products. 7.3 Specific end uses

Specific use(s)

No information available

Exposure scenario

No information available.

8. Exposure controls/personal protection

8.1 Control parameters

Exposure Limit Values

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
METHYL METHACRYLATE 80-62-6		STEL 100 ppm STEL 420 mg/m ³ TWA: 50 ppm TWA: 210 mg/m ³	TWA: 50 ppm TWA: 208 mg/m ³ STEL: 100 ppm STEL: 416 mg/m ³	TWA: 25 ppm TWA: 102 mg/m ³ Skin	TWA: 10 ppm TWA: 42 mg/m ³ STEL: 50 ppm STEL: 210 mg/m ³	TWA: 50 ppm TWA: 205 mg/m ³ STEL: 100 ppm STEL: 410 mg/m ³
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	The Netherlands
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm TWA: 210 mg/m ³	TWA: 50 ppm S* Ceiling: 100 ppm STEL: 100 ppm	TWA: 50 ppm STEL: 100 ppm	STEL: 100 ppm STEL: 410 mg/m ³ TWA: 50 ppm TWA: 205 mg/m ³	STEL: 100 ppm TWA: 50 ppm	STEL: 410 mg/m ³ TWA: 205 mg/m ³
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	The United Kingdom
METHYL METHACRYLATE 80-62-6	TWA: 25 ppm TWA: 100 mg/m ³ Skin STEL: 100 ppm STEL: 400 mg/m ³	STEL: 100 ppm TWA: 50 ppm	STEL: 100 ppm TWA: 50 ppm	LLV: 50 ppm LLV: 200 mg/m ³ S* STV: 150 ppm STV: 600 mg/m ³	STEL: 100 ppm STEL: 420 mg/m ³ TWA: 50 ppm TWA: 210 mg/m ³	STEL: 100 ppm STEL: 416 mg/m ³ TWA: 50 ppm TWA: 208 mg/m ³
2- HYDROXYETHYL METHACRYLATE 868-77-9	TWA: 2 ppm TWA: 11mg/m ³ STEL: 4ppm STEL: 16.5 mg/m ³					

TWA: time weighted average
 STEL: Short term exposure limit
 LLV: Level Limit Value
 STV: Short Term Value

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available

8.2 Exposure controls

Engineering Measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/Face Protection

Hand Protection

Skin and body protection

Respiratory protection

Hygiene measures

Environmental exposure controls

Tightly fitting safety goggles. Eye wash bottle with pure water

Solvent-resistant gloves. Suitable material: butyl-rubber. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Follow the skin protection plan. Flame retardant antistatic protective clothing. Remove and wash contaminated clothing before re-use.

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Keep working clothes separate. Remove and wash contaminated clothing before re-use.

Prevent product from entering drains. Do not allow material to contaminate ground water system.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	No Information Available
Colour	Colourless
Odour	Acrylic-Like
Odour Threshold	0.05 ppm

<u>Property</u>	<u>Values</u>	<u>Remarks/Methods</u>
pH		
Melting/Freezing Point	-48°C (MMA)/-54°F	
Boiling point/Boiling Range	101°C (MMA)/214°F	
Flash Point	12°C (MMA)/54°F	
Evaporation Rate	No Data Available	
Flammability (Solid, Gas)		No Information Available
Flammability Limits in Air		
Upper Flammability Limit		No Information Available
Lower Flammability Limit		No Information Available
Upper Explosion Limit	12.5 Vol.% (MMA)	
Lower Explosion Limit	2.1 Vol.% (MMA)	
Vapour Pressure	38.7 mbar (MMA)	(Air = 1.0)
Vapour Density		No Information Available
Specific Gravity		No Information Available
Water Solubility	Insoluble	
Solubility in other solvents		No Information Available
Partition Coefficient	1.38 log POW (MMA)	
Autoignition Temperature		No Information Available
Decomposition Temperature		No Information Available
Viscosity, Kinematic	100-130 mPa.s (25°C)	
Viscosity, Dynamic		No Information Available
Explosive Properties		No Information Available
Oxidising Properties		No Information Available

9.2 Other Information

Volatile Organic Compounds (VOC) Content	No Information Available
Density	0.99 g/cm ³ (25°C)

10. Stability and Reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Polymerisation occurs when exposed to white light, ultraviolet light or heat. Polymerisation is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers.

10.4 Conditions to Avoid

Heat, flames and sparks. Exposure to sunlight.

10.5 Incompatible Materials

Avoid radical-forming starting agents, peroxides and reactive metals, Heavy metal compounds, Oxidizing agents, Reducing agents

10.6 Hazardous Decomposition Products

No hazardous decomposition products are known.

11. Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Product Information**

Inhalation	Irritating to mucous membranes. Irritating to respiratory system.
Eye contact	There is no data available for this product.
Skin contact	Irritating to skin. May cause sensitisation by skin contact.
Ingestion	There is no data available for this product.

The following values are calculated based on chapter 3.1 of the GHS document

Unknown Acute Toxicity

- 3.78907% of the mixture consist of ingredient(s) of unknown toxicity
- <1% of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 3.14907% of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 3.78907% of the mixture consists of ingredients of unknown acute inhalation toxicity (gas)
- 3.78907% of the mixture consists of ingredients of unknown acute inhalation toxicity (vapour)
- 3.78907% of the mixture consists of ingredients of unknown acute inhalation toxicity (dust/mist)

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
METHYL METHACRYLATE	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	29.8 mg/l (Rat)
ETHYLENGLYCOL DIMETHACRYLATE	> 5000 mg/kg (Rat)		

Skin corrosion/irritation	Irritating to skin.
Eye damage/irritation	No information available.
Respiratory or skin sensitisation	May cause sensitisation by skin contact.
Germ Cell Mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
Specific target organ toxicity single exposure	No information available.
Specific target organ toxicity repeated exposure	No information available.

Eyes. Respiratory system. Skin. Lungs.

Target Organs**Aspiration hazard**

No information available.

12. Ecological information**12.1 Toxicity**

< 1% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
METHYL METHACRYLATE	EC50: 96 h Pseudokirchneriella subcapitata 170 mg/L	LC50: 96 h Pimephales promelas 243 - 275 mg/L flow-through LC50: 96 h Pimephales promelas 125.5 - 190.7 mg/L static LC50: 96 h Lepomis macrochirus 170 - 206 mg/L flow-through LC50: 96 h Lepomis macrochirus 153.9 - 341.8 mg/L static LC50: 96 h Oncorhynchus mykiss 79 mg/L flow-through LC50: 96 h Oncorhynchus mykiss 79 mg/L static LC50: 96 h Poecilia reticulata 326.4 - 426.9 mg/L static	EC50: 48 h Daphnia magna 69 mg/L
2-HYDROXYETHYL METHACRYLATE		LC50: 96h Pimephales promelas 213-242 mg/L flow-through LC50: 96h Pimephales promelas 227 mg/L	

12.2 Persistence and degradability

Partially Biodegradable

12.3 Bioaccumulative potential

No information available.

Chemical Name	log Pow
METHYL METHACRYLATE	0.7
2-HYDROXYETHYL METHACRYLATE	0.47

12.4 Mobility in soil**Mobility in soil**

No information available.

MobilityNo data is available on the product itself. [12.5](#)**Results of PBT and vPvB assessment**

No information available.

12.6 Other adverse effects.

No Information Available

13. Disposal Considerations

13.1 Waste treatment methods

Waste from residues /unused products	Dispose of as hazardous waste in compliance with local and national regulations. European Waste Catalogue. 080111 - waste paint and varnish containing organic solvents or other dangerous substances
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum. Waste Code. 150110 packaging containing residues of or contaminated by dangerous substances.
Other information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

14. Transport Information

ADR

14.1 UN Number	1866
14.2 Proper shipping name	1866- Resin Solution
14.3 Hazard class	3
ADR/RID-Labels	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None
Tunnel restriction code	D/E
Hazard identification No	33

IMDG

14.1 UN Number	1866
14.2 Proper shipping name	1866 - Resin solution
14.3 Hazard class	3
14.4 Packing Group	II
14.5 Marine pollutant	No
14.6 Special Provisions	None
EmS	F-E, S-E
14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code	No information available

IATA

14.1 UN Number	1866
14.2 Proper shipping name	1866 – Resin Solution
14.3 Hazard class	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	None

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture National regulatory information

Germany WGK Classification WGK = 1 (self classification)

Chemical Name	French RG number	Title

METHYL METHACRYLATE 80-62-6	RG 65, RG 82	-
ETHYLENGLYCOL DIMETHACRYLATE 97-90-5	RG 65	-
2-HYDROXYETHYL METHACRYLATE 868-77-9	RG 65	-

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

International Inventories / Regulations

- TSCA -
- EINECS/ELINCS -
- DSL -
- PICCS -
- ENCS -
- IECSC -
- AICS -
- KECL -
- NZIoC -

Legend

- WHMIS – Workplace Hazardous Materials Information System
- EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
- DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS - Philippines Inventory of Chemicals and Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- AICS - Australian Inventory of Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- NZIoC - New Zealand Inventory of Chemicals

15.2 Chemical Safety Assessment

No information available

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

- H335 - May cause respiratory irritation
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H225 - Highly flammable liquid and vapour
- H319 - Causes serious eye irritation

CM Primer

Revision Date 27th February 2018

. **Revision Note** Updated to remove obsolete classification.

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008/EC

Disclaimer

The information contained herein is accurate to the best of our knowledge and belief as at the date issued. The information and recommendations are offered for the user's consideration and examination for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It is the user's responsibility to satisfy themselves as to the suitability of such information for a particular use and to carry out their own COSHH assessment.

End of Safety Data Sheet