

Product C.V. Primer 5675 Zinc Phosphate (Sandable)
 Revision date 11 September 2020
 Revision 2



Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	C.V. Primer 5675 Zinc Phosphate (Sandable)
Synonyms, Trade names	No information available.

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

Identified uses	A single pack, fast air drying, phenolic modified alkyd based anti-corrosive primer. It is suitable for application to structural steel, tanks, machinery, pipelines etc. giving excellent adhesion and a very tough film.
Uses advised against	For industrial and professional use only. Any other purpose.

1.3 Details of the supplier of the safety data sheet

Supplier	Castle Paints Ltd Cloncollig Industrial Estate Tullamore Offaly R35 X993 Ireland Tel: 353 (0)579351583 info@castlepaints.ie
Contact person	

1.4 Emergency telephone number

Emergency telephone	Emergency medical information: 8am - 10pm (Seven Days) contact National Poison Center, Beaumont Hospital. Telephone: +353 (0) 18092166
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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)	
Physical and chemical hazards	Flam. Liq 3- H226 Skin Irrit.2 - H315, Eye Irrit.2A - H319, Carc. 1B - H350, STOT SE 3 - H335, STOT RE 2 - H373, Asp. Tox - H304
Human health	
Environment	Not classified

2.2 Label elements

Contains	ethylbenzene Butanone Oxime propionic acid
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Label in accordance with (EC) no. 1272/2008



Signal word	Danger
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Hazard statements	H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways.
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H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H350 May cause cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements**Prevention**

P210 Keep away from heat/ sparks/open flames/hot surfaces. — No smoking.
P260 Do not breathe dust/fume/ gas/mist/vapours/spray.
P281 Use personal protective equipment as required.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P314 Get medical advice/ attention if you feel unwell.
P370 + P378 In case of fire: Use dry chemical, foam or carbon dioxide for extinction.

EUH statements

EUH208 Contains Butanone Oxime and Cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

2.3 Other hazards

None known.

Section 3: Composition/identification of ingredients**3.1 Substance**

Not applicable.

3.2 Mixtures

Name	Product identifier	Regulation (EC) No 1272/2008	%
xylene	CAS-No.: 1330-20-7 EC No.: 215-535-7 REACH Reg No.: 01-2119488216-32-XXXX	Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Irrit.2 - H315, Flam. Liq 3- H226	10-40%
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	CAS-No.: 14807-96-6 EC No.: 238-877-9		5-10%
ethylbenzene	CAS-No.: 100-41-4 EC No.: 202-849-4	Flam. Liq 2- H225, Asp. Tox - H304, Acute Tox 4 - H332, STOT RE 2 - H373	5-10%
2-ethylhexanoic acid, zirconium salt	CAS-No.: 22464-99-9 EC No.: 245-018-1	Repr. 2 - H361d	0.1-0.9%
Butanone Oxime	CAS-No.: 96-29-7 EC No.: 202-496-6	Acute Tox 3 - H301, Acute Tox 4 - H312, Skin Irrit.2 - H315, Eye Dam. 1 - H318, Skin. Sens 1 - H317, Carc. 1B - H350, STOT SE 1 - H370, STOT SE 3 - H336, STOT RE 2 - H373	0.1-0.9%
Cobalt bis(2-ethylhexanoate)	CAS-No.: 136-52-7 EC No.: 205-250-6 REACH Reg No.: 01-2119524678-29-XXXX	Eye Irrit.2A - H319, Skin. Sens 1 A- H317, Repr. 1B- H360, Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412	<0.1%
Quartz (SiO ₂)	CAS-No.: 14808-60-7 EC No.: 238-878-4		<0.1%
propionic acid	CAS-No.: 79-09-4 EC No.: 201-176-3 REACH Reg No.: 01-2119486971-24-XXXX	Skin Corr. 1B - H314	<0.1%

The full text for all hazard statements are displayed in section 16.

Composition comments

The data shown are in accordance with the latest EC Directives.

Section 4: First aid measures**4.1 Description of first aid measures****General information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor. First aid personnel must be aware of own risk during rescue.

Inhalation

If this product is inhaled and symptoms occur, move the exposed person to fresh air

Ingestion	promptly. If breathing has stopped or the exposed person experiences difficulty in breathing, administer artificial respiration and seek immediate medical assistance. If this product is ingested, remove victim immediately from source of exposure. Thoroughly rinse the mouth with water. DO NOT induce vomiting! If swallowed, seek medical advice immediately and show the container or label. If vomiting occurs, keep head low so that stomach content doesn't enter the lungs. Never give anything by mouth to an unconscious person.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash exposed area with soap and water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues after rinsing.
Eye contact	Avoid contaminating unaffected eye. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Remove contact lenses if present and easy to do so. Continue to rinse for at least 15 minutes. Get prompt medical attention.

4.2 Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Causes damage to organs through prolonged or repeated exposure.
Inhalation	Vapors may cause drowsiness and dizziness. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Ingestion	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be fatal if swallowed and enters airways.
Skin contact	Contact with skin may cause irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation. May cause redness, swelling, pain and tearing.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to the physician	Treat symptomatically.
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Section 5: Fire-fighting measures

5.1 Extinguishing media

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Dry chemical, foam or carbon dioxide.
Unsuitable extinguishing media	High volume water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products	May produce hazardous combustion products such as carbon monoxide, carbon dioxide and unknown hydrocarbons.
Unusual fire & explosion hazards	The product is classified as a flammable liquid and vapour. Vapours are heavier than air and may spread near ground to sources of ignition. Do not allow to enter drains, sewers, basements and workpits, or any place where its accumulation can be dangerous.
Specific hazards	When heated and in case of fire, harmful vapours/gases may be formed. Vapour are heavier than air and may spread along the ground to distant ignition sources. Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special fire fighting procedures	Ventilate closed spaces before entering them. Water spray should be used to cool containers. If possible, fight fire from protected position. Containers close to fire should be removed immediately or cooled with water if safe to do so. Keep up-wind to avoid fumes.
Protective equipment for firefighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Wear protective clothing as described in Section 8 of this safety data sheet. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Keep unnecessary and unprotected personnel from entering. Read and follow manufacturer's recommendations.
For emergency responders	Follow safe handling advice and personal protective equipment recommendations for normal

use of product.

6.2 Environmental precautions

Environmental precautions

Do not allow to enter sewers/ surface or ground water. Prevent further leakage if safe to do so.

6.3 Methods and material for containment and cleaning up

Spill clean up methods

DO NOT TOUCH SPILLED MATERIAL Wear protective clothing, goggles and respirator. Eliminate all sources of ignition. Ventilate and evacuate the area. Prevent further leakage or spillage if safe to do so. Use non sparking tools or equipment for clean up. Absorb spillage with inert, damp, non-combustible material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

6.4 Reference to other sections

Reference to other sections

See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.

Section 7: Handling and storage

7.1 Precautions for safe handling

Handling

Provide good ventilation. Wear suitable personal protective equipment, as detailed in Section 8. Keep away from ignition sources. Use non sparking tools. Avoid inhalation of vapours. Avoid contact with skin and eyes. Read and follow manufacturer's recommendations. Avoid prolonged or repeated contact. Do not wear contact lenses.

7.2 Conditions for safe storage, including any incompatibilities

Storage precautions

Keep upright, locked up and out of reach of children. Store in closed, labelled containers in a cool, dry, well-ventilated area away from incompatible materials. Containers once opened must be carefully resealed to prevent leakage. Protect from direct sunlight. Prohibit ignition sources close to storage area. Store separate from other products which react with acids and strong oxidising agents.

Storage class

Flammable liquid storage.

7.3 Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

Use only according to directions. Replace and tighten cap after use.

Section 8: Exposure controls/Personal protection

8.1 Control parameters

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
xylene	OEL	50 ppm	221 mg/m ³	100 ppm	442 mg/m ³	Sk, IOELV
Talc (Mg3H2(SiO3)4)	OEL		10 mg/m ³			
Talc (Mg3H2(SiO3)4)	OEL		0.8 mg/m ³			
ethylbenzene	OEL	100 ppm	442 mg/m ³	200 ppm	884 mg/m ³	Sk, IOELV
Butanone Oxime	OEL	3 ppm	10 mg/m ³	10 ppm	33 mg/m ³	Sens.
propionic acid	OEL	10 ppm	31 mg/m ³	20 ppm	62 mg/m ³	IOELV

Ingredient comments

Ireland, Occupational Exposure Limits 2020.

8.2 Exposure Controls

Protective equipment

**Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

If the respirator is the sole means of protection, use a supplied air self contained breathing apparatus operated in positive pressure mode. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). Use respiratory protection as specified by an industrial hygienist or other qualified professional. Change filters frequently.

Type A/organic vapour protective components recommended. Where aerosols are in use, use self contained breathing apparatus with a type AX filter or appropriate combined filter (e.g. AX-P3), in compliance with EN 371.

Hand protection

Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Where hand contact with the product may occur use gloves approved to relevant standards (e.g. Europe: EN374.) Gloves must be inspected prior to use.

Full contact: Material: Fluorinated rubber. Minimum layer thickness: 0.7 mm. Break through time: 480 min. Consult manufacturer for specific advice on material. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Change gloves regularly.

Eye protection

Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU).

Other protection

Wear appropriate clothing to prevent any possibility of skin contact. Fire/chemical resistant full-length overalls and boots.

Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. The selected clothing must satisfy the European norm standard EN 943.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work. Wash promptly if skin becomes contaminated.

Process conditions

Ensure that eye flushing systems and safety showers are located close by in the work place.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Various.
Odour	Characteristic odour.
Odour threshold - lower	No information available as testing has not been completed.
Odour threshold - upper	No information available as testing has not been completed.
pH-Value, Conc. Solution	No information available as testing has not been completed.
pH-Value, Diluted solution	No information available as testing has not been completed.
Melting point	No information available as testing has not been completed.
Initial boiling point and boiling range	>35 °C.
Flash point	23.00 - 60.00 °C
Evaporation rate	No information available as testing has not been completed.
Flammability state	No information available as testing has not been completed.
Flammability limit - lower(%)	No information available as testing has not been completed.

Flammability limit - upper(%)	No information available as testing has not been completed.
Vapour pressure	No information available as testing has not been completed.
Vapour density (air=1)	No information available as testing has not been completed.
Relative density	No information available as testing has not been completed.
Bulk density	No information available as testing has not been completed.
Solubility	Not miscible.
Decomposition temperature	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.
Auto ignition temperature (°C)	No information available as testing has not been completed.
Viscosity	No information available as testing has not been completed.
Explosive properties	Not classified as explosive.
Oxidising properties	No information available as testing has not been completed.

9.2 Other information

Molecular weight	No information available as testing has not been completed.
Volatile organic compound	No information available as testing has not been completed.
Other information	105 - 110 Ku. VOC g/l: Cat A (i) Max VOC is 495g/l. Kinematic viscosity: 105 - 110K.

Section 10: Stability and reactivity

10.1 Reactivity

Reactivity	Reaction with: strong oxidising substances and acids.
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10.2 Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3 Possibility of hazardous reactions

Hazardous reactions	For information on hazardous reactions see section 10.1.
Hazardous polymerisation	Unknown.
Polymerisation description	Unknown.

10.4 Conditions to Avoid

Conditions to avoid	Heat, sparks, open flames, temperature extremes and direct sunlight.
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10.5 Incompatible materials

Materials to avoid	Keep away from incompatibles such as oxidizing agents, acids, alkalis. Do not mix with other chemicals unless listed on directions.
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10.6 Hazardous decomposition products

Hazardous decomposition products	In combustion emits toxic fumes.
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Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological information	No toxicological information for the overall finished product.
Acute toxicity (Oral LD50)	No information available as testing has not been completed.
Acute toxicity (Dermal LD50)	No information available as testing has not been completed.
Acute toxicity (Inhalation LD50)	No information available as testing has not been completed.
Serious eye damage/irritation	Causes serious eye irritation.
Skin corrosion/irritation	The product is classified as a skin corrosion/irritation hazard.
Respiratory sensitisation	The product is not classified as a respiratory hazard.
Skin sensitisation	The product is not classified as a skin sensitisation hazard.
Germ cell mutagenicity	The product is not classified as a mutagen.
Carcinogenicity	The product is classified as a carcinogen hazard.
Specific target organ toxicity - Single exposure:	
STOT - Single exposure	The product is classified as a single exposure specific target organ toxin.
Specific target organ toxicity - Repeated exposure:	
STOT - Repeated exposure	The product is classified as a repeat exposure specific target organ toxin.
Inhalation	Vapors may cause drowsiness and dizziness. There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Ingestion	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be fatal if swallowed and enters airways.
Skin contact	Contact with skin may cause irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation. May cause redness, swelling, pain and tearing.
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Routes of entry	Eyes, skin, ingestion or inhalation.
Target organs	Eyes, skin, digestive system, respiratory system.
Aspiration hazards:	The product is classified as an aspiration hazard.
Reproductive toxicity:	The product is not classified as a reproductive hazard.

Name	LD50 oral	LD50 dermal	LD50 inhalation
ethylbenzene	3500.00mg/kg Rat	>5000.00mg/kg Rabbit	
xylene	4300.00mg/kg Rat		5000.00ppmV Rat 4 Hours
Quartz (SiO ₂)	>5000.00mg/kg Rat		
propionic acid	2600.00mg/kg Rat	525.00mg/kg Rabbit	>4.90g/m ³ Rat 4 Hours
2-ethylhexanoic acid, zirconium salt	>5.00g/kg Rat	>5.00g/kg Rabbit	
Butanone Oxime	>2326.00mg/kg Rat		>4.80mg/l (vapours) Rat 4 Hours

Section 12: Ecological information**12.1 Toxicity**

Acute toxicity - Fish	No information available as testing has not been completed.
Acute toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Acute toxicity - Aquatic plants	No information available as testing has not been completed.
Acute toxicity - Microorganisms	No information available as testing has not been completed.
Chronic toxicity - Fish	No information available as testing has not been completed.
Chronic toxicity - Aquatic invertebrates	No information available as testing has not been completed.
Chronic toxicity - Aquatic plants	No information available as testing has not been completed.
Chronic toxicity - Microorganisms	No information available as testing has not been completed.
Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Eco toxicological information	Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.

12.2 Persistence and degradability

Degradability	Biodegradable.
Biological oxygen demand	No information available as testing has not been completed.
Chemical oxygen demand	No information available as testing has not been completed.

12.3 Bioaccumulative potential

Bioaccumulative potential	Does not bioaccumulate.
Bioaccumulation factor	No information available as testing has not been completed.
Partition coefficient; n-Octanol/Water	No information available as testing has not been completed.

12.4 Mobility in soil

Mobility	Readily absorbed into soil.
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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment The product does not contain any PBT or vPvB Substances.

12.6 Other adverse effects

Other adverse effects	None known.
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Name	Acute toxicity (Fish)	Acute toxicity (Aquatic invertebrates)	Acute toxicity (Aquatic plants)
ethylbenzene	LC50 96 Hours 4.20mg/l Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours <4.40mg/l Daphnia magna	EC50 72 Hours 4.60mg/l EC50 96 Hours 3.60mg/l
xylene	LC50 96 Hours 13.40mg/l Pimephales promelas (Fat-head Minnow)		
Quartz (SiO ₂)	>500.00mg/l Onchorhynchus mykiss (Rainbow Trout)	48 Hours >300.00mg/l Daphnia magna	
propionic acid	LC50 96 Hours 51.00ppm Onchorhynchus mykiss (Rainbow Trout)	EC50 48 Hours 22.70ppm Daphnia magna	
Butanone Oxime	LC50 96 Hours 48.00ppm Freshwater Fish	LC50 48 Hours 750.00ppm Daphnia magna	

Section 13: Disposal considerations

Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
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13.1 Waste treatment methods

Disposal methods	Dispose of waste and residues in accordance with local authority requirements, and in accordance with the European Directives on waste and hazardous waste.
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Section 14: Transport information**14.1 UN number**

UN no. (ADR)	UN1263
UN no. (IMDG)	UN1263
UN no. (IATA)	UN1263

14.2 UN proper shipping name

ADR proper shipping name	PAINT or PAINT RELATED MATERIAL
IMDG proper shipping name	PAINT or PAINT RELATED MATERIAL
IATA proper shipping name	PAINT

14.3 Transport hazard class(es)

ADR class	3
IMDG class	3
IATA class	3

Transport labels

**14.4 Packing group**

ADR/RID/ADN packing group	III
IMDG packing group	III
IATA packing group	III

14.5 Environmental hazards

ADR	No
IMDG	No
IATA	No

14.6 Special precautions for user

EMS	F-E, S-E
Emergency action code	A3 A72 A192
Hazard no. (ADR)	30
Tunnel restriction code	(D/E)

14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

Section 15: Regulatory information**15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Commission Regulation (EU) 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Approved code of practice	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
Chemical safety assessment	No chemical safety assessment has been carried out.

Section 16: Other information

General information	This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision comments	This is a second issue. [2]Information updated. [3]Information updated. [4]Information updated. [8]Information updated. [11]Information updated. [12]Information updated. [14]Information updated. [15]Information updated.
Revision date	11 September 2020
Supersedes date	10 May 2017
Revision	2
Safety data sheet status	Approved.

Hazard statements in full

H226	Flammable liquid and vapour.
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.
H373	May cause damage to organs through prolonged or repeated exposure .

H225	Highly flammable liquid and vapour.
H361	Suspected of damaging fertility or the unborn child .
EUH066	Repeated exposure may cause skin dryness or cracking.
H336	May cause drowsiness or dizziness.
H301	Toxic if swallowed.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H350	May cause cancer .
H370	Causes damage to organs .
H360	May damage fertility or the unborn child .
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
H314	Causes severe skin burns and eye damage.
EUH208	Contains Butanone Oxime and Cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.