

SAFETY DATA SHEET

C25 YELLOW PASSIVATE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product names TRIPASS ELV
 1500LT / C25 YELLOW PASSIVATE **Product No.**
 187396, IP87396, SDS

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

Identified uses A preparation intended for use in industrial surface finishing. Additive for trivalent passivation process

1.3. Details of the supplier of the safety data sheet

Supplier Frost Restoration
 Albion Park
 Warrington Road
 Glazebury
 WA3 5PG
 Tel: +44 (0) 1925648555
Contact Person customerservices@frost.co.uk

1.4. Emergency telephone number

24 Hour Emergency Incident Number +44 (0)1235 239 670 -NCEC Ricardo (National Chemical Emergency Centre, CareChem 24)

National Emergency Centre

!! Switzerland only !!

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Met. Corr. 1 - H290
 Human health Skin Corr. 1A - H314;Resp. Sens. 1 - H334;Skin Sens. 1 - H317;Muta. 2 - H341;Carc. 1B - H350i;Repr. 1B - H360F
 Environment Aquatic Chronic 2 - H411

Classification (1999/45/EEC)

Carc. Cat. 2;R49, Repr. Cat. 2;R60. Xn;R21/22. Muta Cat. 3;R68. R42/43. Xi;R36/38. N;R51/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. Label elements

Contains Cobalt nitrate

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341	Suspected of causing genetic defects.
H350i	May cause cancer by inhalation.
H360F	May damage fertility.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P260	Do not breathe vapour/spray.
P280	Wear protective clothing, gloves, eye and face protection.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315	Get immediate medical advice/attention.
P342+311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Supplementary Precautionary Statements

P285	In case of inadequate ventilation wear respiratory protection.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+313	IF exposed or concerned: Get medical advice/attention.
P333+313	If skin irritation or rash occurs: Get medical advice/attention.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local, regional, national and/or international regulations

Supplemental label information

RCH002	Restricted to professional users.
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2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

Chromium nitrate		5 - <25%
CAS-No.: 13548-38-4	EC No.: 236-921-1	
Classification (EC 1272/2008) Ox. Sol. 3 - H272 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411	Classification (67/548/EEC) Xn;R20. Xi;R36/38. O;R8. N;R51/53.	
Disodium oxalate		1 - <10%
CAS-No.: 62-76-0	EC No.: 200-550-3	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312	Classification (67/548/EEC) Xn;R21/22.	
Oxalic acid		1 - <5%
CAS-No.: 144-62-7	EC No.: 205-634-3	Registration Number: 01-2119534576-33
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R21/22. Xi;R41.	

Cobalt nitrate		< 2.5%
CAS-No.: 10141-05-6	EC No.: 233-402-1	Registration Number: 01-2119542530-49
(M=10)		
Classification (EC 1272/2008) Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Muta. 2 - H341 Carc. 1B - H350i Repr. 1B - H360F Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) Carc. Cat. 2;R49, Repr. Cat. 2;R60. Xn;R20/22. Muta. Cat. 3;R68. Xi;R41. O;R8. N;R50/53. R42/43.	
Nitric acid		< 2.5%
CAS-No.: 7697-37-2	EC No.: 231-714-2	Registration Number: 01-2119487297-23
Classification (EC 1272/2008) Ox. Liq. 2 - H272 Met. Corr. 1 - H290 EUH071 Acute Tox. 3 - H331 Skin Corr. 1A - H314	Classification (67/548/EEC) O;R8 C;R35	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Remove affected person from source of contamination. Chemical burns must be treated by a physician.

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention immediately!

Ingestion

Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Rinse nose, mouth and throat with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention immediately!

Skin contact

Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Get medical attention immediately!

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes and get medical attention. To hospital or eye specialist.

4.2. Most important symptoms and effects, both acute and delayed

General information

Known or suspected carcinogen for humans. Known or suspected mutagen. Possible reproductive impact. See section 11 for more detailed information on health effects and symptoms. Seek medical attention for all burns, regardless how minor they may seem.

Inhalation

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. Spray mists may cause respiratory tract irritation. May cause damage to mucous membranes in nose, throat, lungs and bronchial system. Risk of sensitisation or allergic reactions among sensitive individuals. May cause an asthma-like shortness of breath. Contains a substance which may cause cancer by inhalation.

Ingestion

May cause burns in mucous membranes, throat, oesophagus and stomach. May cause stomach pain or vomiting. Swallowing concentrated chemical may cause severe internal injury.

Skin contact

May cause serious chemical burns to the skin. Burning pain and severe corrosive skin damage. Blistering may occur. Corrosive. Prolonged contact causes serious tissue damage. Allergic rash. Risk of sensitisation or allergic reactions among sensitive individuals. May be absorbed through the skin.

Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing. Irritation, burning, lachrymation, blurred vision after liquid splash. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight. Risk of corneal damage.

4.3. Indication of any immediate medical attention and special treatment needed

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media****Extinguishing media**

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture**Hazardous combustion products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards

Beware, risk of formation of toxic and corrosive gases. Contains Oxidising materials. Contact with combustible material may cause fire. Be aware of danger for fire to re-start. The product reacts with a number of metals forming hydrogen gas, which may form explosive vapour/air mixtures. Be aware of danger of explosion.

Specific hazards

Fire or high temperatures create: Nitrous gases (NO_x).

5.3. Advice for firefighters**Special Fire Fighting Procedures**

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours/spray and contact with skin and eyes. Eye contact MUST be prevented by means of suitable personal protection equipment. In case of inadequate ventilation, use respiratory protection. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13. Do not discharge into drains, water courses or onto the ground. Avoid discharge to the aquatic environment. Do not allow ANY environmental contamination.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material! To prevent release, place container with damaged side up. Absorb with inert, damp, non-combustible material, then flush area with water. Do not use sawdust or other combustible material. Neutralise only if safe to do so -seek advice from supervisor/manager. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not handle broken packages without protective equipment. Avoid inhalation of vapours/spray and contact with skin and eyes. Eye contact MUST be prevented by means of suitable personal protection equipment. Use mechanical ventilation in case of handling which causes formation of vapours. This product must not be allowed to dry out onto wood or paper - may cause a fire. Avoid contact with: Organic materials. Avoid contact with alkalis. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Protect from freezing. Do NOT use container made of: Metals

Storage Class

Corrosive storage. (TRGS 510: LGK 6.1 D)

7.3. Specific end use(s)

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

Notes:

The temperature range listed here will maintain the quality of the material during its specified shelf-life. The maximum temperature listed is also required to maintain safe storage conditions.

Min. Storage Temp (°C) 5

Max. Storage Temp (°C) 40

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Chromium nitrate	WEL		0,5 mg/m ³			as Cr
Cobalt nitrate	WEL		0,1 mg/m ³			Carc, Sen, as Co
Nitric acid	WEL			1 ppm	2,6 mg/m ³	
Oxalic acid	WEL		1 mg/m ³		2 mg/m ³	

WEL = Workplace Exposure Limit.

Carc = Capable of causing cancer and/or heritable genetic damage.

Sen = Capable of causing occupational asthma.

Cobalt nitrate (CAS: 10141-05-6)**DNEL**

Industry	Inhalation.	Long Term	Local Effects	0.1242 mg/m3
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REACH dossier information

PNEC

Freshwater	0.00051	mg/l
Marinewater	0.00236	mg/l
STP	0.37	mg/l
Sediment (Freshwater)	9.5	mg/kg
Sediment (Marinewater)	9.5	mg/kg
Soil	10.9	mg/kg

REACH dossier information

Oxalic acid (CAS: 144-62-7)**DNEL**

Industry	Dermal	Short Term	Local Effects	0.69 mg/cm2
Industry	Dermal	Long Term	Systemic Effects	2.29 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	4.03 mg/m3

REACH dossier information

PNEC

Freshwater	0.1622	mg/l
Marinewater	0.01622	mg/l
Intermittent release	1.622	mg/l
STP	1550	mg/l

REACH dossier information

Nitric acid (CAS: 7697-37-2)**DNEL**

Industry	Inhalation.	Short Term	Local Effects	2.6 mg/m3
Industry	Inhalation.	Long Term	Local Effects	2.6 mg/m3

REACH dossier information

8.2. Exposure controls**Protective equipment****Process conditions**

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Seek advice from supervisor on the companies' respiratory protection standards.

Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. Seek advice from local supervisor. Splash protection: (breakthrough time > 60 minutes). Neoprene. Nitrile. Prolonged contact: (breakthrough time > 480 minutes). Butyl rubber. Viton rubber (fluor rubber). (For material thickness = 0.5 mm minimum). Protective gloves should conform to EN 374. The condition of gloves should be checked prior to each use. The selection of gloves should be made with consideration to working practises and the duration of exposure. Consideration should be given to other chemicals being handled and the working environment (e.g. sharps, fine work). Note: Observe manufacturers's recommendations, as the selection of suitable gloves does not only depend on glove material type, and permeability may vary between manufacturers.

Eye protection

Wear full-face visor or shield.

Other Protection

Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove non-impervious clothing that becomes wet. Contaminated clothing to be placed in closed container until disposal or decontamination. Warn cleaning personnel of chemical's hazardous properties. Eating, smoking and water fountains prohibited in immediate work area.

Environmental Exposure Controls

Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Purple.
Odour	Mild.
Solubility	Miscible with water
Initial boiling point and boiling range (°C)	~ 110 °C (760 mm Hg)
Melting point (°C)	Not available.
Relative density	1.27 - 1.33 g/ml (20 °C)
Vapour density (air=1)	Not available.
Vapour pressure	Not available.
Evaporation rate	Not available.
pH-Value, Conc. Solution	< 3
Viscosity	Not available.
Decomposition temperature (°C)	Not available.
Odour Threshold, Lower	Not available.
Odour Threshold, Upper	Not available.
Flash point (°C)	Not applicable.
Auto Ignition Temperature (°C)	Not applicable.
Flammability Limit - Lower(%)	Not applicable.
Flammability Limit - Upper(%)	Not applicable.
Partition Coefficient (N-Octanol/Water)	Not available.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for oxidising.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information

Volatile Organic Compound (VOC)	0 %w/w
Volatile Organic Compound (VOC -CH)	0 %w/w

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended operating conditions. Exothermic reaction with: Strong alkalis. Amines. May be corrosive to metals.

10.2. Chemical stability

Stable under the prescribed storage conditions. (See Section 7).

10.3. Possibility of hazardous reactions

Reacts violently with strong alkaline substances. Reacts with alkalis and amines generating excessive heat. Contains Oxidising materials. Contact with combustible material may cause fire. Corrosive action on various metals (typically aluminium, steel). The product reacts with a number of metals forming hydrogen gas, which may form explosive vapour/air mixtures.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

This product must not be allowed to dry out onto wood or paper - may cause a fire.

10.5. Incompatible materials

Materials To Avoid

Strong alkalis. Amines. Flammable/combustible material. Metals

10.6. Hazardous decomposition products

None under normal conditions. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Fire or high temperatures create: Nitrous gases (NOx).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Based on available data the classification criteria are not met.

Skin Corrosion/Irritation:

Causes severe skin burns and eye damage.

Serious eye damage/irritation:

Skin corrosive; corrosivity to eyes is assumed. No testing is needed.

Respiratory or skin sensitisation:

Sensitising. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Sensitising. May cause an allergic skin reaction.

Germ cell mutagenicity:

May induce heritable mutations in the germ cells of humans. Suspected of causing genetic defects.

Carcinogenicity:

Known or suspected carcinogen for humans. May cause cancer by inhalation.

Target organ for carcinogenicity

No specific target organs noted

Reproductive Toxicity - Development

Possible reproductive impact. May damage fertility.

Not classified as a specific target organ toxicant after a single exposure.

Does not contain any substances known or suspected to be specific target organ toxicants after repeated exposure.

Aspiration hazard:

Not anticipated to present an aspiration hazard based on chemical structure.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment if discharged into watercourses. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. The product does not contain organically bound halogen.

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability**Degradability**

The product is not expected to be biodegradable.

12.3. Bioaccumulative potential**Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

Not available.

12.4. Mobility in soil**Mobility:**

The product is miscible with water. May spread in water systems.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS**General information**

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Keep in original container.

13.1. Waste treatment methods

Environmental manager must be informed of all major spillages. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 14: TRANSPORT INFORMATION

Air Transport Notes Note: Material packaged in VENTED containers. Forbidden for air transport

14.1. UN number

UN No. (ADR/RID/ADN) UN3264

UN No. (IMDG) UN3264

14.2. UN proper shipping name

Proper Shipping Name CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (COBALT NITRATE, NITRIC ACID)

14.3. Transport hazard class(es)

ADR/RID/ADN Class 8

ADR/RID/ADN Class Class 8: Corrosive substances.

IMDG Class 8

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group	II
IMDG Packing group	II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6. Special precautions for user

EMS	F-A, S-B
Hazard No. (ADR)	80 Corrosive or slightly corrosive substance.
Tunnel Restriction Code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant Material not supplied in bulk.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. Regulation (EC) No 790/2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP). Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 286/2011 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP).

Authorisations (Title VII Regulation 1907/2006)

Contains an SVHC Candidate for Authorisation substance: Cobalt nitrate

Restrictions (Title VIII Regulation 1907/2006)

Contains Carcinogen Category 1. Toxic to Reproductive Health Category 1. Restricted to professional users.

Water hazard classification

WGK 3

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

Physical data included in this SDS do not constitute the Product Specification -see separately supplied documentation. Supply classification prepared by calculation.

Revision Comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision Date 19/07/2017

Revision 9

Safety Data Sheet Status Approved.

Signature NS /R&D

Risk Phrases In Full

R35	Causes severe burns.
R8	Contact with combustible material may cause fire.
R20/22	Harmful by inhalation and if swallowed.
R20	Harmful by inhalation.
R21/22	Harmful in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R49	May cause cancer by inhalation.
R42/43	May cause sensitisation by inhalation and skin contact.
R60	May impair fertility.
R68	Possible risk of irreversible effects.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
EUH071	Corrosive to the respiratory tract.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H290	May be corrosive to metals.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317	May cause an allergic skin reaction.
H350i	May cause cancer by inhalation.
H360F	May damage fertility.
H272	May intensify fire; oxidiser.
H341	Suspected of causing genetic defects.
H331	Toxic if inhaled.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Disclaimer

This information relates only to the specific material as supplied and may not be valid for such material if used in combination with any other material(s) or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. The data should not be construed as guaranteeing specific properties of the product described or its suitability for a particular application, nor does it make any warranty, either express or implied of merchantability for the product itself. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.