

SAFETY DATA SHEET



LUSTRE - POLYURETHANE Topcoat – Comp B

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

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

1.1. Product identifier

Product name	LUSTRE - POLYURETHANE Topcoat – Comp B
Product number	85 line
Internal identification	Also incl. 0085 - A008
Synonyms; trade names	11020 (Internal Ref)

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

Identified uses	Paint/Curing Agent/Activator
Uses advised against	Not suitable for homemaker (DIY) applications.

1.3. Details of the supplier of the safety data sheet

Supplier	SML Paints And Coatings The Downs, South Cerney, Cirencester, Gloucestershire, GL7 6DD 01285 862132 info@smlpaints.co.uk
Contact person	info@smlpaints.co.uk

1.4. Emergency telephone number

National emergency telephone number +44 (0) 1285 862132 08:00-18:00 MON-FRI

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 3 - H226
Health hazards	Acute Tox. 4 - H332 Skin Sens. 1 - H317 STOT SE 3 - H335
Environmental hazards	Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) R43. R10,R52/53,R67.

Human health	Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.
Environmental	This product may cause harm to the environment. See Section 12 Ecological Information.

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Physicochemical

Spray mist is harmful by inhalation. Wear gloves, eye and face protection and air fed mask if spraying. Can cause respiratory sensitization in allergic persons. See Section 7.2 Storage Class. See Section 5.2 Hazardous combustion products. See Section 10: Stability and reactivity

2.2. Label elements

Pictogram



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.
 H317 May cause an allergic skin reaction.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing vapour/ spray.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER/ doctor if you feel unwell.
 P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/ container in accordance with national regulations.

Supplemental label information

EUH204 Contains isocyanates. May produce an allergic reaction.
 EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

ALIPHATIC POLYISOCYANATE, BUTYL ACETATE -norm, XYLENE, HEXAMETHYLENE-DI-ISOCYANATE (Monomer)

Supplementary precautionary statements

P240 Ground/ bond container and receiving equipment.
 P241 Use explosion-proof electrical equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P321 Specific treatment (see medical advice on this label). P362+P364 Take off contaminated clothing and wash it before reuse. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

LUSTRE - POLYURETHANE Topcoat – Comp B

ALIPHATIC POLYISOCYANATE		60-100%
CAS number: 28182-81-2		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H332	R43.	
Skin Sens. 1 - H317		
STOT SE 3 - H335		
BUTYL ACETATE -norm		10-30%
CAS number: 123-86-4	EC number: 204-658-1	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 R66 R67	
STOT SE 3 - H336		
SOLVENT NAPHTHA, PETROLEUM; LIGHT AROMATIC		1-5%
CAS number: 64742-88-7	EC number: 265-199-0	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Muta. 1B - H340	Xn;R65. Xi;R37. N;R51/53. R10.	
Carc. 1B - H350		
Asp. Tox. 1 - H304		
XYLENE		1-5%
CAS number: 1330-20-7	EC number: 215-535-7	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38	
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
TRIETHYLORTHO FORMATE		1-5%
CAS number: 122-51-0		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226	R10.	
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		

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HEXAMETHYLENE-DI-ISOCYANATE (Monomer)	<1%
CAS number: 822-06-0	EC number: 212-485-8
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226	T;R23 R42/43 Xi;R36/37/38
Acute Tox. 3 - H331	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Resp. Sens. 1 - H334	
Skin Sens. 1 - H317	
STOT SE 3 - H335	

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

Composition comments The product contains a sensitising substance.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	The severity of the symptoms described will vary depending on the concentration and the length of exposure. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Inhalation	Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure. Show this Safety Data Sheet to the medical personnel.
Ingestion	Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. Use barrier creams to prevent skin contact. Remove contaminated clothing and rinse skin thoroughly with water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue. In case of insufficient ventilation, wear suitable respiratory equipment.

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. The product contains a sensitising substance. Persons already sensitised to diisocyanates may develop allergic reactions when using this product. See Section 11 for additional information on health hazards.
Inhalation	Harmful if inhaled Vapours may cause headache, fatigue, dizziness and nausea. The product contains a sensitising substance.
Ingestion	Harmful if swallowed. May cause nausea, stomach pain and vomiting.
Skin contact	May cause sensitisation or allergic reactions in sensitive individuals.
Eye contact	May cause severe eye irritation.

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

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Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Notes:

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. If a fire or if heated, a pressure increase will occur and the container may burst with the risk of subsequent explosion. The product is flammable.

Hazardous combustion products Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen, isocyanate vapour and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes. In case of fire, toxic gases (CO, CO₂, NO_x) may be formed. Acrid smoke or fumes. Other pyrolysis products typical of burning an organic material. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³. In the event of a fire and/or explosion, do not breathe fumes.

5.3. Advice for firefighters

Protective actions during firefighting Keep up-wind to avoid fumes. Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material. Control run-off water by containing and keeping it out of sewers and watercourses. Move containers from fire area if it can be done without risk. If risk of water pollution occurs, notify appropriate authorities. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken without appropriate training or involving any personal risk.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Do not handle broken packages without protective equipment. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Wash thoroughly after dealing with a spillage. Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage.

For non-emergency personnel Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear suitable respirator when ventilation is inadequate. Put on appropriate personal protective equipment. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.

For emergency responders If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable materials. See also the information in "For non-emergency personnel".

6.2. Environmental precautions

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Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Collect in containers and do not seal securely (evolution of CO₂). Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Small Spillages: Absorb spillage with oil-absorbing material. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. The accumulation of contaminated rags and application cloths may result in spontaneous combustion. This is particularly important in the case of products containing a high level of drying oils such as teak oil, linseed oil etc. Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Eliminate all sources of ignition. Keep away from heat, sparks and open flame. All handling should only take place in well-ventilated areas. Use non sparking handtools and explosion-proof electric equipment. Static electricity and formation of sparks must be prevented. Dust may form explosive mixture with air. Take precautionary measures against static discharges. Storage tanks and other containers must be earthed. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. In all cases where isocyanate aerosols and/or vapour concentrations are produced in elevated concentrations, exhaust ventilation systems must be provided in such a way that the workplace exposure limits (WEL) is not exceeded. The air should be drawn away from the personnel handling the product. Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists. Avoid eating, drinking and smoking when using the product. Welding, grinding and other hot work on the already-coated substrate may cause free isocyanates to be formed and released. For professional users only.

Advice on general occupational hygiene Persons susceptible to allergic reactions should not handle this product. Good personal hygiene procedures should be implemented. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse. Contaminated clothing should be placed in a closed container for disposal or decontamination.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from food, drink and animal feeding stuffs. Keep away from oxidising materials, heat and flames. Keep container tightly closed, in a cool, well ventilated place. Observe the label precautions. Store at temperatures between 5°C and 35°C (32 to 95°F). Containers which have been opened must be carefully resealed and kept upright to prevent leakage. See Section 7.2 Storage class.

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. Restricted to professional users.

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SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m³(Sk)

HEXAMETHYLENE-DI-ISOCYANATE (Monomer)

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m³(Sen)

Short-term exposure limit (15-minute): WEL 0.07 mg/m³(Sen)

WEL = Workplace Exposure Limit

Ingredient comments

WEL = Workplace Exposure Limits

XYLENE (CAS: 1330-20-7)

DNEL

- Inhalation; Short term : 442 mg/m³

8.2. Exposure controls

Protective equipment



Note:

When spraying, the use of appropriate respirator/full face shield is advised.

Appropriate engineering controls

No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

Personal protection

In case of hypersensitivity of the respiratory tract and skin (eg asthmatics and those who suffer from chronic bronchitis and chronic skin complaint) it is inadvisable to work with this product.

Eye/face protection

The following protection should be worn: Use approved safety goggles or face shield. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

Hand protection

Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. May cause sensitisation by skin contact. Risk of sensitisation or allergic reactions among sensitive individuals. Prolonged and frequent contact may cause redness and irritation.

Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Provide eyewash station and safety shower. Wash at the end of each work shift and before eating, smoking and using the toilet.

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Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended. Respiratory protection required in insufficiently ventilated working areas and during spraying. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked.
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Keep container tightly sealed when not in use.

Notes:

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid. Colour Clear liquid.
Odour	Characteristic.
Odour threshold	Not determined.
pH	No specific test data are available.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	> 25°C CC (Closed cup).
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.7% Upper flammable/explosive limit: 7.5%
Other flammability	No specific test data are available.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	@ 20°C 1.00 - 1.10°C
Bulk density	Not determined.
Solubility(ies)	Hardens in contact with water.
Partition coefficient	Not available.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not determined.
Explosive properties	May form explosive mixtures with air.
Explosive under the influence of a flame	Not determined.

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Oxidising properties	Not determined.
Comments	May form explosive mixtures with air

9.2. Other information

Other information	Soluble in most organic solvents.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Acids. Alkalis. Oxidising materials. Exothermic reaction with amines and alkalis; reacts slowly with water forming CO ₂ . In closed containers, risk of bursting owing to increase in pressure. This product will harden into a hard mass in contact with water and moisture.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended. Further information on correct storage: refer to Section 7.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal processing Vapours may form explosive mixtures with air.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidising agents. Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to conditions to heat or sources of ignition. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m ³ . Avoid high humidity and moist air. Avoid extremes of temperature and direct sunlight.
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10.5. Incompatible materials

Materials to avoid	Avoid contact with the following materials: Strong oxidising agents. Amines. Alkalis. Water, moisture.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen. Hydrogen cyanide (HCN). Acrid smoke or fumes. In case of fire and/or explosion, do not breaths fumes.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg)	64,724.91909385
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Acute toxicity - inhalation

ATE inhalation (vapours mg/l)	13.00082733
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General information	This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Contains isocyanates. May produce an allergic reaction. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Harmful by inhalation. May cause sensitisation by inhalation.
Ingestion	Harmful if swallowed. Irritating. May cause nausea, stomach pain and vomiting.

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Skin contact	Harmful in contact with skin. Irritating to skin. Animal tests and other research indicates that skin contact with diisocyanates can play a role in causing isocyanate sensitization and respiratory reaction.
Eye contact	Irritating to eyes.
Route of entry	Inhalation Ingestion. Skin and/or eye contact Oral
Additional Information:	For further information, please refer to Sections 4 and 8 respectively.

Toxicological information on ingredients.

SOLVENT NAPHTHA, PETROLEUM; LIGHT AROMATIC

Serious eye damage/irritation

Serious eye damage/irritation Not Irritating

Respiratory sensitisation

Respiratory sensitisation There is no evidence that the product can cause respiratory hypersensitivity.

Skin sensitisation

Skin sensitisation Not expected to be a skin sensitizer

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Reproductive toxicity - development No evidence of development toxicity

Specific target organ toxicity - single exposure

STOT - single exposure No specific test data are available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No specific test data are available.

Aspiration hazard

Aspiration hazard No information available.

General information Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.

Ingestion Irritating. May cause nausea, stomach pain and vomiting.

Skin contact Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

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Eye contact	May cause eye and respiratory system irritation.
Route of entry	Skin and/or eye contact Inhalation
Target organs	Central nervous system

XYLENE

Toxicological effects	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. High vapour concentrations can cause headaches, dizziness and nausea.
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Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	4,300.0
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Species	Rat
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Acute toxicity - dermal

Acute toxicity dermal (LD ₅₀ mg/kg)	2,000.0
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Species	Rabbit
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ATE dermal (mg/kg)	2,000.0
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Acute toxicity - inhalation

Acute toxicity inhalation (LC ₅₀ vapours mg/l)	11.0
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Species	Rat
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ATE inhalation (vapours mg/l)	11.0
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Skin corrosion/irritation

Animal data	No information available.
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Human skin model test	Irritating.
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Serious eye damage/irritation

Serious eye damage/irritation	Causes eye irritation
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Respiratory sensitisation

Respiratory sensitisation	There is no evidence that the product can cause respiratory hypersensitivity.
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Skin sensitisation

Skin sensitisation	No information available.
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Germ cell mutagenicity

Genotoxicity - in vitro	Negative.
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Genotoxicity - in vivo	Negative.
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Carcinogenicity

Carcinogenicity	No evidence of carcinogenicity
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Reproductive toxicity

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Reproductive toxicity - fertility	This substance has no evidence of toxicity to reproduction.
Reproductive toxicity - development	No information available.
<u>Specific target organ toxicity - single exposure</u>	
STOT - single exposure	Central and/or peripheral nervous system damage.
Target organs	Central nervous system Liver Kidneys
<u>Specific target organ toxicity - repeated exposure</u>	
STOT - repeated exposure	No information available.
<u>Aspiration hazard</u>	
Aspiration hazard	Aspiration hazard if swallowed.
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General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Harmful by inhalation.
Ingestion	Irritating. May cause nausea, stomach pain and vomiting.
Skin contact	Harmful in contact with skin. Irritating to skin.
Eye contact	The product is irritating to eyes and skin.
Route of entry	Oral Skin and/or eye contact Inhalation Ingestion
Target organs	Central nervous system
Medical symptoms	Allergies. Irritation of eyes and mucous membranes. Headache. Fatigue. Dizziness.

HEXAMETHYLENE-DI-ISOCYANATE (Monomer)

Serious eye damage/irritation

Serious eye damage/irritation	No specific test data are available.
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Respiratory sensitisation

Respiratory sensitisation	No specific test data are available.
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Skin sensitisation

Skin sensitisation	No specific test data are available.
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Germ cell mutagenicity

Genotoxicity - in vitro	No specific test data are available.
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Genotoxicity - in vivo	No specific test data are available.
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Carcinogenicity

Carcinogenicity	No specific test data are available.
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Reproductive toxicity

Reproductive toxicity - fertility	No specific test data are available.
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Reproductive toxicity - development No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No specific test data are available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No specific test data are available.

Aspiration hazard

Aspiration hazard No information available.

General information This product is unlikely to harm health, given normal and proper handling and hygienic precautions. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation Harmful by inhalation.

Ingestion Harmful if swallowed.

Skin contact Harmful in contact with skin.

Eye contact Harmful in contact with eyes.

Route of entry Inhalation Ingestion Oral Skin and/or eye contact

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity Isocyanates react with water at the interface forming CO₂ and a solid insoluble product with high melting point (polyurea). This reaction is accelerated by surfactants (eg detergents) or by water soluble solvents. Previous experience shows that polyurea is inert and non bio-degradable.

12.2. Persistence and degradability

Persistence and degradability Solvent will evaporate, residue will not readily biodegrade. There are no data on the degradability of this product.

Biodegradation No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

12.4. Mobility in soil

Mobility The product hardens to a solid, immobile substance.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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General information	Dispose in accordance with applicable international, national and local laws, ordinance and statutes. This material and its container must be disposed of in a safe way. The generation of waste should be minimised or avoided wherever possible. The company encourages the recycle, recovery and reuse of materials, wherever possible.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Dispose of contents/container in accordance with national regulations.

SECTION 14: Transport information

General To avoid the risk of spillage, always store and transport in a secure, upright position. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT
Proper shipping name (IMDG)	PAINT
Proper shipping name (ICAO)	PAINT
Proper shipping name (ADN)	PAINT

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

Transport labels



14.4. Packing group

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

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14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-E

ADR transport category 3

Emergency Action Code •3YE

Hazard Identification Number 33
(ADR/RID)

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

National regulations	Petroleum (Consolidation) Act, as amended 1984 SI 1244. Highly Flammable Liquid Regulations 1972. Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste) Regulations 1980 (as amended). Control of Substances Hazardous to Health Regulations 2002 (as amended).
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). 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 (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guidance	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations. BCF Guidance on the Safe Use of Coatings Containing Isocyanates (Ref: HS 024 December 2011 (Issue 2))

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Product to be used in industrial and/or professional applications.
Issued by	BOD
Revision date	24/02/2015
Revision	0

LUSTRE - POLYURETHANE Topcoat – Comp B

SDS number	20629
Risk phrases in full	R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R23 Toxic by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R37 Irritating to respiratory system. R38 Irritating to skin. R42/43 May cause sensitisation by inhalation and skin contact. R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52/53 Harmful to aquatic organisms, 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.
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. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H372 Causes damage to organs through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

The product should not be used for the purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. 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.