

Page: 1

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Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** Centrecoat R267 Clear Anti Graffiti Coating**Product code:** R267**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** ANTI GRAFFITI LACQUER/COATING**1.3. Details of the supplier of the safety data sheet****Company name:** Promain UK Limited

C1 Pierson Court

Knowl Piece, Hitchin

Hertfordshire, SG4 0TY

Tel: 01462 421333**Email:** info@promain.co.uk**1.4. Emergency telephone number****Emergency tel:** 01462 421333

(office hours only)

Section 2: Hazards identification**2.1. Classification of the substance or mixture****Classification under CLP:** Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1B: H317; STOT SE 3: H336**Most important adverse effects:** Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness.**2.2. Label elements****Label elements:****Hazard statements:** H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H336: May cause drowsiness or dizziness.

Hazard pictograms: GHS02: Flame

GHS07: Exclamation mark

**Signal words:** Warning**Precautionary statements:** P102: Keep out of reach of children.

[cont...]

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion-proof equipment.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands, forearms and face thoroughly after handling.

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.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .

P332+P313: If skin irritation occurs: Get medical advice/attention.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331+P310: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.. Immediately call a POISON CENTER or doctor.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P314: Get medical advice/attention if you feel unwell.

P370+P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up.

P501: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROCARBONS, C9-C11,N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	919-857-5	-	Flam. Liq. 3: H226; STOT SE 3: H336; Asp. Tox. 1: H304; Skin Irrit. 2: H315; -: H316	24.9-50%

KEROSINE - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED LIGHT

265-149-8	64742-47-8	-	Asp. Tox. 1: H304; Aquatic Chronic 2: H411	0.9-4.99%
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N,N-DIBUTYLAMINOMETHYL-TRIETHOXYSILANE

-	35501-23-6	-	Skin Sens. 1B: H317	0.9-4.99%
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3-(2-AMINOETHYLAMINO)PROPYLTRIETHOXYSILANE

-	1760-24-3	-	Eye Dam. 1: H318; Skin Sens. 1: H317	0.1-0.9%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash clothing before reuse. Seek medical attention if irritation persists after washing

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Obtain immediate medical attention

Ingestion: Do not induce vomiting. Provided the patient is conscious, wash out mouth with water and give 200 - 300 ml (half a pint) of water to drink. Obtain immediate medical attention.

Inhalation: Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. If unconscious and breathing is OK, place in the recovery position.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Product can lead to sensitisation and can trigger allergies. After inhalation treat as early as possible using cortisone spray. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. Show this safety data sheet to the doctor in attendance.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide. Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions: Avoid inhalation of vapours and contact with skin and eyes. Eliminate all ignition sources. Follow precautions for safe handling described in this safety data sheet. Wear protective clothing as described in Section 8 of this safety data sheet. Notify the police and fire brigade immediately. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid. Secure the area and do not walk through spillages. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point.

6.2. Environmental precautions

Environmental precautions: Contain the spillage using bunding. Do not allow to enter drains, sewers or watercourses. Do not allow ANY environmental contamination. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. To prevent release, place container with damaged side up. Contain spillages with sand, earth or any suitable absorbent material. Collect and dispose of spillage as indicated in section 13.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Ensure adequate ventilation. Absorb into dry earth or sand. Small spillages : Wipe up with an absorbent cloth and dispose of waste safely. Large spillages : Dam and absorb spillages with sand, earth or other non-combustible material. Shovel into dry containers. Cover and move the containers. Transfer to a closable, labelled salvage container for disposal by an appropriate method. When dealing with a spillage, please consult the section relating to suitable protective measures. Clean-up personnel should use respiratory and / or liquid contact protection. Wash thoroughly after dealing with a spillage. Eliminate all sources of ignition. Do not use equipment in clean-up procedure which may produce sparks.

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. Collect and dispose of spillages as indicated in Section 13.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Smoking is forbidden. Use non-sparking tools. Store in well sealed containers in a cool and dry area. Ensure adequate ventilation. Avoid formation of aerosols. Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. This material is a static accumulator - consult local standards for guidance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): Surface Coating

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10.0 mg/m ³	-	-	-

DNEL/PNEC Values

Hazardous ingredients:

3-(2-AMINOETHYLAMINO)PROPYLTRIETHOXYSILANE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (Long Term)	35,5 mg/m ³	Workers	Systemic
DNEL	Dermal (Acute)	5 mg/kg/day	Workers	Systemic
DNEL	Oral (Long Term)	2,5 mg/kg/day	Consumers	Systemic
DNEL	Inhalation (Long Term)	8,7 mg/m ³	Consumers	Systemic
DNEL	Dermal (Long Term)	2,5 mg/kg/day	Consumers	Systemic
PNEC	Fresh water	0,062 mg/l	-	-
PNEC	Marine water	0,0062 mg/l	-	-
PNEC	Fresh water sediments	0,05 mg/kg wet weigh	-	-

PNEC	Marine sediments	0,005 mg/kg wet weig	-	-
PNEC	Soil (agricultural)	0,0075 mg/kg wet wei	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Avoid exposure. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Do not eat, drink or smoke when handling. Remove contaminated, soaked clothing immediately. Clean work areas regularly. Wash hands thoroughly after handling. Wash contaminated clothing before re-use. Wash at the end of each work shift and before eating, drinking and using the toilet.

Respiratory protection: Ensure there is sufficient ventilation at all times. If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.

Hand protection: Nitrile gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Check during use that the gloves are still retaining their protective properties.

Eye protection: Ensure eye bath is to hand. Wear eye/face protection. Wear approved chemical safety goggles at all times. Ensuring they are tightly fitted.

Skin protection: Protective clothing.

Environmental: DO NOT eat, drink or smoke whilst using the product. Prevent leakage or spillage if safe to do so, do not let the product enter drains.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Slightly Hazy / Clear

Odour: Slight Solvent

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: No data available.

Viscosity: No data available.

Boiling point/range°C: >154

Flammability limits %: lower: No data available.

Flash point°C: 41

Autoflammability°C: No data available.

Relative density: No data available.

VOC g/l: No data available.

Melting point/range°C: No data available.

upper: No data available.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: No data available.

pH: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames. Moisture

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Water.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Respiratory/skin sensitisation	-	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN3295

14.2. UN proper shipping name

Shipping name: HYDROCARBONS, LIQUID, N.O.S

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information**Other information**

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H316: Causes mild skin irritation

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.