

SAFETY DATA SHEET

POLYURETHANE CLEANER & REMOVER PUR586– 1 LITRE

1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND THE COMPANY

Product Name: Polyurethane Cleaner & Remover PUR586 – 1 Litre

Part No.: N/A

Supplier: Specialised Chemicals Limited
Spittlegate Level Industrial Estate
Grantham, Lincs.
NG31 7UH

Telephone: 01476 567615

Fax: 01476 560837

2. HAZARDS IDENTIFICATION



Xn Harmful
N Dangerous for the environment

Information concerning particular hazards for human and environment:

Long or repeated contact with skin may cause dermatitis due to degreasing effect of the solvent. (See R66)

R 10 Flammable.

R 51/53 Toxic 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.

Additional information:

Flammability classification is based upon the classification of the most flammable component within this product. Actual flashpoint may be higher. In certain rare cases with flashpoint may be lower. The range declared is a guide, always adopt a worst-case, lowest flashpoint and store/handle accordingly.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:

CAS No. Description

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

Identification number(s)

EINECS Number: 265-185-4

EU Number: 649-330-00-2

Additional information:

Benzene content < 0.1% White spirit is not classified as carcinogenic under CHIP Regulations.

4. FIRST AID MEASURES

After skin contact

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing and dispose according to waste regulations.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for at least 10 minutes under running water. It is always advisable then to seek prompt medical attention.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After swallowing

Do not induce vomiting; call for medical help immediately.

Information for doctor:

Risk of lung aspiration when swallowed due to low viscosity of product.

Danger of lung aspiration if ingest large quantities.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Flammable liquid fires – Class B. Use AFFF spray foam or ABC dry powder.

Can also use CO₂.

For safety reasons unsuitable extinguishing agents: Water with full jet

Protective equipment

Mount respiratory protective device.

Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear personal protective equipment. Keep unprotected persons away.

Environmental protection

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

Do not allow product to reach sewage system or any water course.

Measure for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Dispose of the material collected according to regulations.

Additional information: If large contained spillage – blanket liquid with AFFF spray foam.

7. HANDLING AND STORAGE

Handling:

Information for safe handling

Ensure good ventilation/exhaustion of the workplace.

Prevent formation of aerosols.

Take note of emission threshold.

In uncontrolled environments processes should not be undertaken within 10 deg C of the flash point.

Information about fire – and explosion protection:

Keep ignition sources away – Do not smoke.
Protect against electrostatic charges.
Avoid pumping at rates above 7mtre/sec.
Ensure vessels/containers are electrically bonded & earthed.
Flammable gas-air mixtures form in empty receptacles.

Storage:

Requirements to be met by storerooms and receptacles:

Prevent any seepage into the ground. Solvent resistant bund required.
Provide ventilation for receptacles.
Use only receptacles specifically permitted for this substance/product.
Refer to Health & Safety guides HS(G)51 Storage of Flammable Liquids in Containers; HS(G)71 Chemical Warehousing; HS(G)176 Storage of Flammable Liquids in Tanks.
Ensure all electrical equipment is explosion protected in flammable Zone areas as required to National Regulations.
Remove non-conductive materials from Zone 0 and Zone 1 areas to reduce potential for static discharges.
Ensure containers and process vessels are bonded and grounded to earth before operation.

Information about storage in one common storage facility:

Do not store together with oxidizing and acidic material as well as heavy-metal compounds.

Further information about storage conditions:

Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Store outside in a secure flammable goods area. In case of spillages, ensure area is bunded with no access to foul water drains. Or within Flammable goods store if within buildings.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy

OEL – Long-term value: 600 mg/m³

Additional information:

Lists valid during the making were used as basis.

Explanation of OES / MEL :

Both are expressed as concentration of a hazardous substance in air, averaged over a specified period of time (TWA). Two periods are used – long term 8 hour TWA (an average shift), and 15 minutes STEL (short term exposure limit – to prevent adverse effects which may occur after a few minutes of exposure).

MEL: is for substances which may cause the most serious health effects.

Exposure should be reduced as far as possible below the MEL, and should not exceed the MEL when averaged over the specified reference period. If the substance is given a short-term MEL the exposure level should never be exceeded.

OES: is set at a level at which (currently) there is no indication of risk to the health of workers who breathe it in day after day. Exposure should be reduced to a least this level to comply with COSHH.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not eat, drink, smoke or sniff while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Solvent resistant gloves.

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form: Liquid
Colour: Colourless
Odour: Characteristic

Change in condition

Melting point / Melting range: Undetermined.

Boiling point / Boiling range: 150 - 200°C

Flashpoint: 38°C

Ignition temperature: 230°C

Danger of explosion: In use, may form flammable/explosive vapour-air mixture.

Explosion limits:

Lower: 0.6 Vol %
Upper: 7.0 Vol %

Vapour pressure at 20°C: 0.4 hPa

Density at 20°C: 0.790 g/cm³

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

Viscosity:

Dynamic at 25°C: 0.87 mPas

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided:

No decomposition if used to specifications.

Materials to be avoided: Strong oxidising agents.

Dangerous reactions

Flammable vapour-air mixtures may develop if stored in large receptacles and above room temperature.

Dangerous decomposition products: Carbon monoxide, if incomplete combustion.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Primary irritant effect:

On the skin:

Prolonged exposure may result in skin irritation. Wear suitable protective gloves at all times.

On the eye: Liquid and vapours may be irritating to eyes if prolonged exposure.

Sensitization: No sensitizing effects known.

12. ECOLOGICAL INFORMATION

Ecotoxicological effects:

Remark:

Expected to be toxic to aquatic organisms.

Toxic for fish.

Harmful to aquatic organisms.

Unlikely to resist for sufficient time to pose a significant hazard.

General notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Product:

Recommendation

Must not be disposed together with general waste liquids. Do not allow product to reach sewage system.

Use only Environment Agency authorised Waste contractors.

Dispose of as Special Waste.

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning. This may apply to IBC & 210ltr drums only when available.

All other packaging is non-returnable.

Dispose of packaging according to Special Waste Regulations.

14. TRANSPORT INFORMATION

Land transport ADR/RED (cross-border)

ADR/RID class: 3 Flammable liquids

Item: 31c

UN-Number: 1300

Description of goods: 1300 Turpentine substitute.

Maritime transport IMDG:

IMDG Class: 3
Page: 3375
UN Number: 1300
Packaging group: III
Marine pollutant: Yes (P)
Proper shipping name: Turpentine substitute

Air transport ICAO-TI and IATA-DGR:
ICAO/IATA Class: 3
UN/ID Number: 1300
Packaging group: III
Proper shipping name: Turpentine substitute

15. REGULATORY INFORMATION

Labelling according to EU guidelines:

The product has been classified and marked in accordance with the EU Directives / Ordinance on Hazardous Materials.

Code Letter and hazard designation of product:

Xn Harmful
N Dangerous for the environment

Risk phrases:

10 Flammable.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.

Safety phrases:

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
24/25 Avoid contact with skin and eyes.
43 In case of fire, use... (indicate in the space the precise type of fire-fighting equipment. If water increases risk, add 'Never use water').
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
61 Avoid release to the environment. Refer to special instructions/safety data sheets.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not be constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: Sales Office

Contract: n/a

Sources

Manufacturers Data.

CHIP 3