

Material Safety Data Sheet.

1. Identification of the substance / preparation and of the company.

1.1 Identification of the substance / preparation.

Liquid Release Agent

1.2 Intended use.

Allowing the clean detachment of imprinting mats from the surface of freshly placed concrete.

1.3 Company details

PICS Ltd
Unit 2
Red Shute Hill Industrial Estate
Hermitage
Berkshire
RG18 9QL
Tel: 01635 202224
Fax: 01635 202230
Web: www.picsuk.com

2. Composition / Information on ingredients.

2.1 **Main components**

Product	CAS Number	EINECS
Naphtha hydrotreated heavy	64742-42-48-9	265-150-3

This is a complex mixture with the following reportable component.

Octane and Isomers 4%	All Isomers	All Isomers
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3. Hazards identification.

- 3.1 **Classification / Symbol**
Flammable
Harmful Xn
- 3.2 **Risk Phrases**
R10, R65, R66, R67
- 3.3 **Health Hazard**
Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness
- 3.4 **Physical and Chemical Hazards / Fire and Explosion Hazards**
High Hazard. Liquids can release vapours that can readily form flammable mixtures at temperatures at or above the flash point.
Static discharge. Product can accumulate static charges which can cause an incendiary electrical discharge.

4. First-aid measures.

- 4.1 **Eye contact**
Wash eyes immediately with clean water for at least 15 minutes and seek medical advice.
- 4.2 **Skin Contact**
Drench the affected area thoroughly with water. Remove contaminated clothing and wash before reuse. If irritation, pain or other skin trouble occurs, seek medical advice.
- 4.3 **Ingestion**
Do not induce vomiting. Get prompt medical help.
- 4.4 **Inhalation**
Remove from exposure, rest and keep warm. If recovery is not rapid, seek medical help.

5. Fire fighting measures.

- 5.1 **Suitable Extinguishers**
Use extinguisher suitable to cause of fire.
- 5.2 **Hazardous Combustion Products**
Fumes, smoke, carbon dioxide, carbon monoxide.
- 5.3 **Special Equipment for Fire Fighting**
Self contained breathing apparatus and full protective clothing.

6. Accidental release measures.

- 6.1 **Personal precautions**
Wear relevant PPE.
- 6.2 **Cleaning up**
Absorb using suitable material, sand etc. Remove and dispose of in accordance with local legislation.
- 6.3 **Environmental Precautions**
Do not allow material to enter drains, sewers or water courses

7. Handling and storage.

- 7.1 **Handling**
Ensure good ventilation. Avoid contact with skin and eyes. Do not breathe fumes, do not use near any source of ignition.
- 7.2 **Storage**
Open containers with care as pressure build up is possible. Store in a cool, well ventilated place.

8. Exposure controls / personal protection.

- 8.1 **Exposure limits**
TWA (LTEL) 1200mg/m³ (226 ppm) (EH40/2005)
- 8.2 **Respiratory protection**
Where exposure is greater than the limits given, half face filter mask with filter material A or similar.
- 8.3 **Eye protection**
Safety goggles as a minimum precaution.
- 8.4 **Skin protection**
Industrial protective clothing.

9. Physical and chemical properties.

Appearance	Colourless liquid
Odour	Aliphatic hydrocarbon
PH	N/A
Viscosity	1.02mm ² /s
Freezing point	<-20 ⁰ C
Boiling point	130 – 160 ⁰ C
Melting point	N/A
Flash point	24 ⁰ C
Explosive limits in air	0.6 – 7 vol%
Solubility in water	Negligable

10. Stability and reactivity.

- 10.1 **Stability**
Stable.
- 10.2 **Materials to avoid**
Strong oxidising agents.
- 10.3 **Hazardous decomposition products**
Does not decompose at ambient temperature

11. Toxicological information.

11.1 Short term effects

Inhalation of large quantities of mist or vapour may cause irritation.
Irritating to eyes and skin.

12. Ecological information.

12.1 Mobility

Highly volatile, will partition rapidly to air.

12.2 Degradability

Readily biodegradeable.

12.3 Aquatic toxicity

Not expected to be harmful to aquatic organisms.

13. Disposal considerations.

Dispose via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

14. Transport information.

14.1	Land Class 3 Classification Code F1 Emergency Action Code 3Y	PG III Hazard Number 30	UN Number 3295
14.2	Sea Class 3 Marine Pollutant. No Risk Label 3	PG III EMS Number F-E, S-D	UN Number 3295
14.3	Air Class 3	PG III	UN Number 3295

15. Regulatory information.

- 15.1 **Classification**
Flammable
Harmful
- 15.2 **Label Name**
Naphtha, hydrotreated heavy.
- 15.3 **Risk phrases**
R10
R65
R66
R67

16. Other information

- 15.4 If the material is redistributed for sale, details of its hazards and recommended methods for safe handling should be available to all sites and / or customers.
- 16.2 The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The company shall not be held liable for any damage resulting from handling or from contact with the above product.