

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product name: POTMIX ASPHALT RELEASE

Relevant identified uses of the substance or mixture: Asphalt release agent for machinery and tools used with bituminous products.

Supplier: Potmix Products AB
Box 14003
630 14 Eskilstuna
Sweden

Telephone no.: +46 10 101 80 33
E-mail: info@potmix.com

Emergency telephone no.: +44 7971 217 347 (UK) or your local emergency services number.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance:

According to 1272/2008: Classified as a non-dangerous good.

According to 1999/45/EG: The product is assessed and classified as a non-dangerous good.

2.2 Label elements:

According to 1272/2008:

Risk phrases: Not applicable.

Safety phrases: Not applicable.

According to 1999/45/EG: See section 16.

2.3 Other hazards: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 This product composes of a mixture of liquid ingredients.

3.2

Ingredient	Classification	Concentration
Mixture (surfactants and others)	Trade secret (registered)	Trade secret

4. FIRST AID MEASURES

4.1 Skin contact: Wash with plenty of water and soap. As the need arises, seek medical advice.

4.2 Eye contact: Rinse cautiously with water for above 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.3 Ingestion: Do not induce vomiting. If the victim is conscious and not convulsing, give water or milk to drink, and immediately get medical attention.

4.4 Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. As the need arises, seek medical advice.

5. FIREFIGHTING MEASURES

- 5.1 Suitable extinguishing media:** Carbon dioxide, foam, and powders.
- 5.2 Extinguishing media to avoid:** A water bar.
- 5.3 Fire and explosion hazards:** On combustion, generates toxic gases (e.g. carbon monoxide, nitrogen oxide).
- 5.4 Protective equipment:** Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** Wear protections (e.g. protective gloves, goggles and gas respirator) during work.
- 6.2 Spill or leak procedures**
- 6.2.1 Environmental precautions:** Prevent the spilled material entering into a river or sewers.
- 6.2.2 Methods for cleaning:**
- Small Spill and Leak:** After absorb with sawdust, earth, sand, waste, etc. wash away the remainder with water in order not to spill into a river or a canal.
- Large Spill and Leak:** Because of prevention of more flow to neighborhood, prevent flow by surrounding with the earth and sand, etc. and recover in a drum, etc.

7. HANDLING AND STORAGE

- 7.1 Handling:** Establish a washing equipment for eyes and body near a handling area. Wear adequate protections (e.g., protective gloves and goggles, etc.).
- 7.2 Storage:** Keep below 45°C to avoid the product from getting clouded. Keep container closed. Store in dark, dry and well ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Exposure controls:** Local exhaust ventilation may be necessary.
- 8.2 Exposure control limits:** Not established.
- 8.3 Personal Protection**
- 8.3.1 Respiratory protection:** It is not always necessary in a normal handling.
- 8.3.2 Hand protection:** Impermeable gloves.
- 8.3.3 Eye Protection:** Protective goggles.

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8.3.4 Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

9.1.1 Physical stage: Liquid.
9.1.2 Color: Blue.
9.1.3 Odor: Distinct odor.

9.2 Safety-relevant data

9.2.1 Flash Point (°C): None.
9.2.2 Flammable limits in air (mg/l): LEL = 1.2 vol%, UEL = 13 vol% [Confidential ingredient]

9.3 Other data

9.3.1 Coagulation point: -12°C
9.3.2 Specific gravity: 1.03 (25°C)
9.3.3 pH: 6.7
9.3.4 Solubility in water: Soluble.

10. STABILITY AND REACTIVITY

10.1 Chemical stability: Stable under normal storage and handling conditions.

10.2 Reactivity: Not particularly specified.

10.3 Conditions to avoid: Keep below 45°C to avoid the product from getting clouded.

10.4 Hazardous

decomposition products: Carbon monoxide, nitrogen oxides, etc.

10.5. Incompatible materials: Not relevant.

10.6. Hazardous decomposition products: Not relevant.

11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity: Not available

11.2 Local effect

Skin corrosion/irritation: May cause irritation.
Serious eye damage/eye irritation: May cause irritation.

11.3 Carcinogenicity: Not listed on EU-carcinogen list, IARC and NTP.

11.4 Information on other hazards

11.4.1. Endocrine disrupting properties
Endocrine disrupting properties – human data, if available: not available

11.4.2. Other information

No other relevant information available.

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12. EKOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity

LC50(96) >100mg/l, Oryzias latipes.

12.2 Persistence and degradability

Degradation: 63%(BOD), Activated sludge: 30mg/l. Concentration: 100mg/l. 28days.

12.3 Bio-accumulative

Not relevant.

12.4 Mobility in soil

Not relevant.

12.5 Results of PBT and vPvB assessment

Not relevant.

12.6 Endocrine disrupting properties

Endocrine disrupting properties – environmental effects, if available: not available

12.7 Other adverse effects

There are no negative effects known.

13. DISPOSAL CONSIDERATION

May be burned in an adequate incinerator in accordance with all applicable regulations. Any disposal of contents/container must be in accordance with local/ regional/ national/international regulation (contact regional or national environmental agency for specific rules).

14. TRANSPORT INFORMATION

This product is only expected to be transported by road, rail and sea, and is therefore only be assessed following regulations ADR/RID. Should other means of transportation be necessary, contact the publisher of this MSDS.

14.1 UN number	Not classified as dangerous goods
14.2 UN proper shipping name	not applicable
14.3 Transport hazard class(es)	not applicable
14.4 Packing group	not applicable
14.5 Environmental hazards	not applicable
14.6 Special precautions for user	not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	not applicable

15. REGULATORY INFORMATION

15.1 Safety, health, and environmental

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regulations/legislation specific for the substance or mixture

not applicable.

15.2 Chemical safety assessment

Assessment and CSR as 1907/2006 Annex I has not yet been performed.

16. OTHER INFORMATION

16a. Information on the changes that have been made to the previous version

Revisions of this document

This is version 161122/PPAB/MA_1.

16b. Explanation of abbreviations and acronyms

Key to abbreviations

IARC = International Agency for Research on Cancer

NTP = National Toxicology Program (USA)

IMDG = International Maritime Dangerous Goods

TSCA = Toxic Substances Control Act (USA)

16c. Key literature references and sources for data

Data Sources

Primary data for the calculation of the dangers has primarily taken from the official European classification list, 1272/2008 Annex I, updated to 2014-09-16. Where such data is unavailable, the alternatively used documentation forms the basis for the official classification, eg IUCLID (International Uniform Chemical Information Database). In third hand information from reputable international chemical company have been used. Lastly available information, eg from other suppliers' safety data sheets or from non-profit organizations, with an expert assessment made by the source's credibility have been used. If, despite this, reliable information is not found, dangers assessed by experts on the basis of known dangers from similar substances, in which the principles of 1907/2006 and 1272/2008 have been followed.

Full text of the provisions mentioned in this MSDS

453/2010	COMMISSION REGULATION (EU) no. 453/2010 of 20 May 2010 amending European Parliament and Council Regulation (EC) no. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).
1272/2008	EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) no. 1272/2008 of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/1999/45 / EC, and amending Regulation (EC) no. 1907/2006.
1999/45/EC	THE EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 1999/45/EC of 31 May 1999 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous preparations.
AFS 2011:18	Work Environment Authority's regulations and general guidelines on exposure limits.
89/391	COUNCIL DIRECTIVE (89/391/EEC) of 12 June 1989 on measures to encourage improvements in the safety and health at work.
1907/2006	EUROPEAN PARLIAMENT AND COUNCIL REGULATION (EC) no. 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) no. 793/93 and Commission Regulation (EC) no. 1488/94 and Council Directive 76/769/EEC and Commission Directive 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/ C Annex I.

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16d. Methods for evaluating the information provided 1272/2008 Article 9 which was used for the classification

The calculation of the dangers of this mixture has been made that a joint assessment with the help of expert judgment in accordance with 1272/2008 Annex I, where all available information that may be important to determine the hazards of the mixture, and in accordance with 1907/2006 Appendix XI.

16e. Advise on appropriate training for employees in order to protect human health and the environment

Warning of misuse

This product is not expected to cause serious harm to humans or the environment. The manufacturer, distributor or supplier cannot accept responsibility for unusual or criminal use of the product.

Other relevant information

Label elements according to 1999/45/EC

Hazard	Not applicable
Phrases	Not applicable
Phrases	Not applicable

Information on this document

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