

SAFETY DATA SHEET



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

- 1.1 Product name: **POTMIX ASPHALT BIO 50**
- 1.2 Relevant identified uses of the substance or mixture: Permanent road repair asphalt.
- 1.3 Producer: Potmix Products AB
Box 14003
630 14 Eskilstuna
Sweden
- Telephone no.: +46 10 101 80 33
E-mail: info@potmix.com
- 1.4 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: Not classified.

According to 1999/45/EG: Not classified.

2.2 Label elements:

According to 1272/2008:

Risk phrases: Not classified.

Safety phrases: Not classified.

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

2.3 Other hazards: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Note that the table shows the known hazards of the ingredients in pure form. The dangers are reduced or eliminated when mixed or diluted, see section 16d.

Ingredient	Classification	Concentration
MINERAL AGGREGATES		
	Not classified (EC 1272/2008) Not classified (67/548/EEC)	95 %
	Not classified (EC 1272/2008) Not classified (67/548/EEC)	
BITUMEN		
CAS no. 8052-42-4	Not classified (EC 1272/2008) Not classified (67/548/EEC)	2-3 %
EG no. 232-490-9	Not classified (EC 1272/2008) Not classified (67/548/EEC)	
BIO OIL		
CAS no. n/a	Not classified (EC 1272/2008) Not classified (67/548/EEC)	2-3 %
EG no. n/a	Not classified (EC 1272/2008)	

SAFETY DATA SHEET



	Not classified (67/548/EEC)	
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4. FIRST AID MEASURES

4.1 Description of first aid measures

General information	If in doubt or if symptoms persist seek medical attention. Never attempt to give unconscious person liquids.
Inhaling	If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Eye contact	Rinse opened eye for several minutes under running water. If easy to do, remove contact lenses. Seek medical attention if irritation develops.
Skin contact	Remove contaminated clothing and wash before reuse. Wash skin with soap and water. Seek medical attention if irritation develops. If product is hot, may cause thermal burns.
Ingestion	Keep person warm and quiet and get medical attention. ONLY induce vomiting as directed by medical personnel. Do NOT administer anything by mouth to unconscious person.

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

Information on symptoms is not conclusive or missing for this product.

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

Irrelevant.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agent Extinguish with water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Unsuitable extinguishing agent May not be extinguished with water stream.

5.2. Special hazards arising from the substance or mixture

In case of fire, hazardous or otherwise harmful substances can spread.

5.3. Advice for firefighters

Cool closed containers exposed to fire with water. In case of fire use supplied air respirator. Protective measures taken with respect to other material on the fire.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment, and emergency procedures

No special measures required.

6.2. Environmental precautions

Observe usual precautions.

6.3. Methods and material for containment and cleaning up

SAFETY DATA SHEET



Collect mechanically. Any rags, clothing, paper products or other porous material should be disposed of in fire-proof containers.

6.4. Reference to other sections

Not applicable.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Use rubber or cotton gloves. DO NOT handle material with bare hands. Keep away from heat, sparks and flame - do not smoke. Do not get in eyes. Do not breathe vapor. Avoid prolonged contact with skin.

7.2. Conditions for safe storage, including any incompatibilities

Use listed on the container. Immediate use is recommended after opening container or bag. Store in weather / sun protected area. Keep container well closed, material cures by exposure to air and/or water. Product residue may remain in empty containers. Observe all label precautions until container is cleaned, reconditioned, or destroyed.

7.3. Specific end use(s)

For patching up asphalt and concrete.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 National limit values AFS 2011: 18, Sweden

All ingredients (see section 3) have no exposure limits.

8.2 Exposure controls

For the prevention of occupational risks there is no need for special account for the product in addition to the general requirements imposed by the European Directive 89/391 as well as national health and safety legislation.

Eye protection should be used due to risk of direct contact or splashing.

Gloves may be needed on the basis of other working conditions, such as abrasion, temperature conditions or microbiological hazards.

Special measures to protect the skin needed only in specific working situations. If in doubt, consult with medical expert's work. Show this safety data sheet.

Use appropriate respiratory protection if ventilation is inadequate.

For the limitation of environmental exposure, see section 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Appearance	Form:	Solid of unspecified form
	Colour:	Black
b) Odour:		Little to none
c) Odour threshold		Not applicable
d) pH		Not applicable
e) Melting/freezing point		Not applicable
f) Initial boiling point and boiling range		Not applicable
g) Flash point		199°C
h) Evaporation rate		Not applicable
i) Flammability (solid, gas)		Not applicable
j) Upper/lower flammability		

SAFETY DATA SHEET



or explosive limit	Not applicable
k) Vapour pressure	Not applicable
l) Vapour density	Not applicable
m) Relative density	1.4 g/cm ³ [@ 20°C]
n) Solubility	
Solubility in water	Insoluble Soluble in organic solvents
o) Partition coefficient: n-octanol / water	Not applicable
p) Ignition temperature	Not available, but auto-ignition of the binder may occur if thin film is left on porous materials.
q) Decomposition temperature	Not applicable
r) Viscosity	Not applicable
s) Explosive properties	Not applicable
t) Oxidizing Properties	Not applicable

9.2. Other information

None.

10. STABILITY AND REACTIVITY

10.1. Reactivity

The product contains no substances which can cause dangerous reactions under normal conditions of handling and use.

10.2. Chemical stability

The product is stable under normal storage and use conditions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions under normal handling and use.

10.4. Conditions to avoid

Keep away from heat, sparks, and flames.

10.5. Incompatible materials

Not relevant.

10.6. Hazardous decomposition products

Not relevant.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

General or nonspecific toxicity

The product is not classified as toxic.

Acute effects

Not classified as acute-toxic substance.

Health hazards

The product is not classified as harmful.

Repeated dose toxicity

To our knowledge, no chronic effects reported for this product.

SAFETY DATA SHEET



Carcinogenicity

To our knowledge, no carcinogenic effects reported for this product.

CMR effects

To our knowledge, no mutagens, other genetic or reproductive toxicity reported on this product.

Sensitization

To our knowledge, reactions have not been reported on this product.

Corrosive and irritant effects

Product may irritate the eyes, skin, mucous membranes, and respiratory tract.

Synergism and antagonism

To our knowledge, no synergistic effects reported for this product or any of its ingredients.

Effect on the review and other psychological effects

To our knowledge, this product does not affect the review of the intended use.

Impact on human micro flora

This product has probably no effect on the human micro flora.

11.2 Information on other hazards

11.2.1. Endocrine disrupting properties

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

11.2.2. Other information

No other relevant information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Not relevant.

12.2 Persistence and degradability

Not relevant.

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

13.1 Waste treatment methods

Disposal of the product

The product is not classified as hazardous waste. Observe all local rules at disposal.

SAFETY DATA SHEET



Recycling the product

Empty and rinsed packaging is sent for recycling where practicable.

Transportation of waste

Class J(0) - non-environmental or harmful.

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 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. ÖVRIG INFORMATION

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

Revisions of this document

This is version 201022/PPAB/MA_1.

16b. Explanation of abbreviations and acronyms

Key to abbreviations in section 14

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

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, e.g. IUCRID (International Uniform Chemical Information Database). In third hand information from reputable international chemical company have been used. Lastly available information, e.g. 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, labelling 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 labelling 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.

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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