

October 2015



SOUP – SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 Article 31 and Swiss Regulation

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- 1.1 Product name:** SOUP
- 1.2 Product type:** component for production mixtures of RAP
- 1.3 Company identification:** HALIK Ltd.
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2. HAZARDS IDENTIFICATION

This product was classified according to directives 67/548/EEC & 1999/45/EC, regulation (EC) No. 1272/2008 (CLP) and the Swiss Chemicals Ordinance, ChemO. The structure is in accord to regulation (EC) No. 1907/2006. The mixture has not been tested "as is".

2.1 Classification of the substance or mixture:

The product contains no classified substances that might affect the classification of the mixture.

2.2 Label elements:

None

2.3. Other hazards:

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006 Annex XIII

None



Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006 Annex XIII

None

Other hazards which do not result in classification

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS No.	EC No.	Conc.	Class.
Bitumen (petroleum dist. Vacuum residues)*	64741-56-6	265-057-8	40-90%	-
Glycerin	56-81-5	200-289-5	5-30%	-
Rubber antioxidant (N-1, 3-dimethylbutyl-N'-phenyl-p-phenylenediamine)	793-24-8	212-344-0	<30%	-
Esters	67762-38-3		0-15%	-
Waxes	8002-74-2	232-315-6	0-15%	-
Mixed fatty acids	68937-92-8		0-15%	-

* A complex residuum from the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 495°C (923°F).

This substance is not classified as hazardous in the Annex I of Directive 67/548/EEC.

This substance is not listed in the Annex I of Regulation (EC) No 689/2008 on Export and Import of Dangerous Chemicals



4. FIRST-AID MEASURES

4.1 Description of first aid measures

After inhalation:	Remove patient from exposure, keep warm and at rest. If symptoms persist, obtain medical attention.
After skin contact:	Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water. Contaminated clothing should be thoroughly cleaned. If symptoms persist, obtain medical attention.
After eye contact:	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.
After ingestion:	Do not induce vomiting. Provided the patient is conscious, Wash out mouth with water and give 200-300 ml of water to drink. If symptoms persist, obtain medical attention.

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

May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Suitable Extinguishing Media: Foam, CO₂ or dry powder.
For large fire use: Water spray.

Unsuitable Extinguishing Media: Do not use water jet.

5.2 Special hazards: May give off toxic fumes in a fire. Carbon monoxide,



Carbon dioxide and various hydrocarbons.

5.3 Advice for firefighters:

A self-contained breathing apparatus and suitable

Protective clothing should be worn in fire conditions.

Keep fire exposed containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. (See Section: 8). Contaminated clothing should be thoroughly cleaned.

6.2 Environmental precautions: Avoid dispersal of spilt material and runoff and contact

with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up:

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows.

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.



6.4 Reference to other sections:

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded. Avoid contact with skin and eyes. Wear suitable protective clothing and gloves. (See Section: 8).

Do not eat, drink or smoke at the work place. Wash hands and exposed skin after use.

Contaminated clothing should be thoroughly cleaned.

7.2 Conditions for safe storage, including any incompatibilities:

Keep only in the original container in a cool, well-ventilated place

7.3 Specific end use(s) Industrial applications:

This product is a component for production mixtures for road maintenance and crack repairs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Occupational exposure limits: No exposure limit value known.

8.2 Exposure Controls:

8.2.1 Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded.



8.2.2 Personal Protection

Eye/face protection

Goggles giving complete protection to eyes (EN 166)



Skin protection

Protective gloves (EN 374)



Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment (BS EN 14387:2004+A1)



Other

Apron or other light protective clothing, boots and plastic or rubber gloves.

8.2.3 Environmental Exposure Controls

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance:	Black, oily liquid.
Odour:	Mild bituminous smell.
Boiling Point (°C):	Not available.
Flash Point (°C):	> 150 °C
Specific gravity:	about 0.97 (Water = 1)



Vapor pressure: Not available.
Vapor density: Heavier than air.
Volatility: Not available.
Viscosity: Not available.
Solubility: Insoluble in water.

9.2. Other information: None.

10. STABILITY AND REACTIVITY

10.1. Reactivity: Reacts with - Strong oxidizing agents.
10.2. Chemical stability: Stable under normal conditions.
10.3. Possibility of hazardous reactions: No information available.
10.4. Conditions to avoid: Keep away from heat, sources of ignition and direct sunlight.
10.5. Incompatible materials: Oxidizing agents.
10.6. Hazardous decomposition products: May give off toxic fumes in a fire: Carbon monoxide, Carbon dioxide and various hydrocarbons

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Acute toxicity:

Ingestion: No information available.

Inhalation: No information available.

Skin Contact: No information available.

Eye Contact: No information available.

Skin corrosion/irritation: Non-irritant.

Serious eye damage/irritation: May cause eye irritation.

Respiratory or skin sensitization: Negative.



Mutagenicity:	There is no evidence of mutagenic potential.
Carcinogenicity:	No evidence of carcinogenicity.
Reproductive toxicity:	Negative.
STOT-single exposure:	Negative.
STOT-repeated exposure:	Negative.
Aspiration hazard:	Negative.
Other information:	No information available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity:	LC50 (Fish): No information available.
	EC50 (Fish: Brachydanio rerio): No information available.
	EC50 (Daphnia magna): No information available.
	EC50 (Algae): No information available.
	NOEL: No information available.
	NOEC: No information available.
	log Kow: No information available.
	WGK: Not classified.
12.2. Persistence and degradability:	Readily biodegradable.
12.3. Bioaccumulative potential:	The substance has low potential for bioaccumulation.
12.4. Mobility in soil:	No information available.
12.5. Results of PBT and vPvB assessment:	Not classified as PBT or vPvB.
12.6. Other adverse effects:	No information available.

13. DISPOSAL CONSIDERATIONS

Do not empty into drains; dispose of this material and its container in a safe way. To be disposed in accordance with local, state or national legislation.



14. TRANSPORT INFORMATION

- 14.1. UN number:** Not classified according to the United Nations 'Recommendations on the Transport of 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:** Readily biodegradable
- 14.6. Special precautions for user:** Slipping hazard.
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** -

15. REGULATORY INFORMATION

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

According to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictogram(s): None.
Signal word(s): None.
Hazard statement(s): None.
Supplemental Hazard Information: None.
Precautionary statement(s): None.

According to Directive 67/548/EEC & Directive 1999/45/EC

Hazard pictogram(s): None.
Hazard Symbol: None.
Risk Phrases: None.
Safety Phrases: None.

According to the Swiss Chemicals Ordinance, ChemO

Hazard pictogram(s): None.
Signal word(s): None.
Hazard statement(s): None.
Supplemental Hazard Information: None.
Precautionary statement(s): None.

Switzerland

LRV Klasse (Ta-Luft) : Not available.

BAGT:

None.



15.2. Chemical safety assessment: -

16. OTHER INFORMATION

Full text of Hazard statements and Risk phrases for pure substances listed in section 3.

Hazard Symbol: None.

Risk Phrases: None.

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

Abbreviations and acronyms

ADR:	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO:	International Civil Aviation Organization
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

Disclaimer:

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.