SAFETY DATA SHEET

SOAP OIL

CAS No.: Not applicable (composition on request)

This Safety Data Sheet is issued by Suraj Chemicals as the distributor/supplier of record, based on manufacturer and published GHS / regulatory reference data for this substance. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

GHS Product identifier

SOAP OIL
Soap and detergent raw material
CAS: Not applicable (composition on request)

Other means of identification

Not relevant

Recommended use of the chemical and restrictions on use

Relevant uses: Raw material for soap and detergent manufacture. For industrial user only.
Uses advised against: All uses not specified in this section or in section 7.3.

Supplier's details

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Emergency phone number

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS:
Classification of this product has been carried out in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), as a precaution, because the grade-specific composition and classification are supplied on request. Until the grade-specific classification has been confirmed for the consignment, handle the product as potentially irritating to skin and eyes:

Skin Irrit. 2	Precautionary: Skin corrosion/irritation, Category 2, H315
Eye Irrit. 2	Precautionary: Eye irritation, Category 2, H319

GHS label elements, including precautionary statements

GHS: Warning

Hazard statements

Skin Irrit. 2: H315 – Causes skin irritation.
Eye Irrit. 2: H319 – Causes serious eye irritation.

Precautionary statements

P264: Wash skin/hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313: If skin irritation occurs, get medical advice/attention.
P337+P313: If eye irritation persists, get medical advice/attention.
P501: Dispose of contents/container in accordance with local regulations on industrial waste.

Other hazards which do not result in classification

Not relevant

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substances / mixtures

Chemical description: Soap oil, amber yellow to dark brown liquid. The exact composition and grade details are available on request; contact Suraj Chemicals for the grade-specific composition and classification for your consignment.

Composition: available on request (grade dependent). No ingredient data is stated here that has not been confirmed.

To obtain more information on the hazards of the substances, consult sections 11, 12 and 16.

Mixtures

Composition available on request.

4. FIRST AID MEASURES

Description of necessary first-aid measures

Take off immediately all contaminated clothing. Self-protection of the first aider is advised.

By inhalation

Remove to fresh air and keep at rest. Seek medical attention if irritation or discomfort persists.

By skin contact

Wash immediately with plenty of water and soap. Remove contaminated clothing and wash before reuse.

By eye contact

Flush immediately with plenty of water for at least 15 minutes, holding eyelids apart. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

By ingestion/aspiration

Rinse mouth with water (only if the person is conscious). Do not induce vomiting. Seek medical attention if a large quantity has been swallowed or if symptoms occur.

Most important symptoms/effects, acute and delayed

Skin contact: mild irritation with prolonged/repeated contact – redness, itching. Eye contact: irritation, redness, watering. Ingestion: may cause mild gastrointestinal discomfort. Inhalation: not normally an inhalation hazard under intended use.

Indication of immediate medical attention and special treatment needed, if necessary

Symptomatic treatment as required. No specific antidote available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Suitable: Water spray, foam, dry chemical powder, carbon dioxide (CO_2) – select extinguishing media suited to the surrounding fire.
Unsuitable: None known

Specific hazards arising from the chemical

Not expected to burn readily. Combustion may generate irritant fumes (oxides of carbon and possibly sulphur).

Special protective actions for fire-fighters

Fight fire from a safe distance/protected location. Wear self-contained breathing apparatus and full protective clothing when involved in a fire. Cool fire-exposed containers with water spray.

Additional provisions

Do not allow fire-fighting water/runoff to enter drains, surface water or ground water – contain and dispose of as contaminated waste.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Wear suitable protective equipment (see Section 8) to prevent contamination of skin, eyes and personal clothing. Note that spilled material is slippery underfoot.

For emergency responders

Wear protective equipment described in Section 8. Keep unprotected persons away.

Environmental precautions

Keep away from drains, surface water and ground water. Retain and dispose of contaminated washing/rinse water as waste; avoid uncontrolled discharge to the environment.

Methods and materials for containment and cleaning up

Contain the spill. Absorb with an inert absorbent material or flush with plenty of water to a contained/treated effluent system if permitted. Collect with a clean shovel, place in suitable closed containers, and remove for disposal.

Reference to other sections

See sections 8 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling

A. General precautions for safe use

Provide adequate ventilation. Avoid contact with skin and eyes. Handle open containers with care – spilled material is slippery.

B. Technical recommendations for the prevention of fires and explosions

Not applicable – product is an aqueous, non-flammable solution. Keep containers tightly closed.

C. Technical recommendations on general occupational hygiene

Do not eat, drink or smoke in work areas. Wash hands and exposed skin before breaks and after work.

D. Technical recommendations to prevent environmental risks

Prevent release to drains, surface water and groundwater. See subsection 6.2.

Conditions for safe storage, including any incompatibilities

A. Specific storage requirements

Recommended storage temperature	15 – 35°C, protect from freezing and prolonged heat
Container	Keep tightly closed, in original packaging

B. General conditions for storage

Store away from strong oxidising agents and strong acids/alkalis. Protect from prolonged exposure to light and air, which can accelerate oxidative darkening/odour development. For additional information see subsection 10.5.

Specific end use(s)

No additional information available beyond the uses listed in Section 1.2.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

No occupational exposure limit has been established for this product; keep exposure as low as reasonably practicable.

Appropriate engineering controls

Provide sufficient general/local ventilation as a collective protection measure, in addition to individual PPE as needed.

B. Respiratory protection

Not normally required in well-ventilated areas; use a suitable respirator if mist or spray is generated in poorly ventilated spaces.

C. Specific protection for the hands

Wear suitable chemical-resistant gloves (e.g. nitrile or natural rubber).

D. Eye and face protection

Use chemical safety goggles with side protection; wear a face shield where splashing may occur.

E. Bodily protection

Wear suitable protective clothing and chemical-resistant footwear/apron for prolonged or repeated contact.

F. Additional emergency measures

Emergency shower and eyewash stations should be available near the work area.

Environmental exposure controls

Avoid environmental spillage of both the product and its container. See subsection 6.2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	
Physical state at 20°C	Liquid
Appearance	Liquid
Color	Amber yellow to dark brown
Odor	Characteristic
Odour threshold	Not available
Volatility	
Boiling point at atmospheric pressure	Not available
Vapour pressure	Not available
Evaporation rate	Not applicable
Product Description	
Density / Relative density at 20°C	Not available
Composition / grade details	Available on request
pH (10% aqueous solution)	Not available
Vapour density	Not applicable
Partition coefficient n-octanol/water (log KOW)	Not available
Solubility in water	Not available
Melting point/freezing point	Not available
Flammability	
Flash Point	Not available
Flammability (solid, gas)	Not available
Autoignition temperature	Not available
Lower / Upper flammability limit	Not available

** Grade-specific values and the certificate of analysis are available on request.*

Other information

Explosive properties	Not relevant
Oxidising properties	Not relevant
Dynamic viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity No particular reactivity hazard under normal conditions of storage and use. Avoid contact with strong oxidising agents and strong acids.

Chemical stability Stable under normal conditions of storage and handling.

Possibility of hazardous reactions Hazardous polymerisation will not occur.

Conditions to avoid

Shock/Friction	Contact with Air	Increase in Temperature	Sunlight	Humidity
Not applicable	Avoid prolonged exposure (oxidation/rancidity)	Avoid prolonged exposure to high temperature (hydrolysis)	Avoid prolonged exposure	Not critical

Incompatible materials Strong oxidising agents, strong acids and strong alkalis.

Hazardous decomposition products None under normal use and storage conditions. Thermal decomposition may release oxides of carbon (and possibly sulphur).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

In case of exposure that is repetitive, prolonged, or at concentrations higher than recommended, adverse health effects may result depending on the means of exposure:

A. Ingestion (acute effect)
Not established for this product. Swallowing may cause gastrointestinal discomfort.

B. Inhalation (acute effect)
Not established for this product. Mist may cause irritation of the nose and throat.

C. Contact with skin and eyes (acute effect)
Treated as a skin and eye irritant as a precaution.

D. CMR effects (carcinogenicity, mutagenicity, reproductive toxicity)
Not classified as a germ cell mutagen, carcinogen, or reproductive toxicant as no data is available for this product.

E. Sensitizing effects
Not classified as a respiratory or skin sensitiser as no data is available for this product.

F. Specific target organ toxicity (STOT) – single/repeated exposure
Not classified as no data is available for this product.

H. Aspiration hazard
Not classified as no data is available for this product.

Product-specific toxicological information

Exposure route	Effect rate / concentration	ATE value
Acute Oral / Dermal / Inhalation	LD50 / LC50	Not established for this grade

12. ECOLOGICAL INFORMATION

Ecological data for this product is not established; prevent release to drains and waterways.

Toxicity

Acute Toxicity	Species	Genus
Not established for this grade	–	–

Persistence and degradability Not established for this product.

Bioaccumulative potential Not established for this product.

Mobility in soil Not available.

Results of PBT and vPvB assessment Not assessed.

Other adverse effects No data available.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Do not empty into drains; avoid uncontrolled release to the environment. Not classified as hazardous waste at typical use dilutions; confirm classification under local/state Pollution Control Board rules before disposal. Dispose of via a licensed waste disposal contractor in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and applicable local, state and central regulations.

Contaminated packaging should be emptied as completely as possible and may then be handled in the same way as the product; uncleaned packaging should be disposed of as hazardous/industrial waste.

14. TRANSPORT INFORMATION

Transport of dangerous goods by land (ADR 2023 / RID 2023)

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	Non-hazardous for transport
14.4 Packing group	Non-applicable
14.5 Environmental hazard	No
14.6 Special precautions for user	None
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

Transport of dangerous goods by sea (IMDG 41-22)

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	Non-hazardous for transport
14.4 Packing group	Non-applicable
14.5 Marine pollutant	No
14.6 Special precautions for user	None
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

Transport of dangerous goods by air (IATA/ICAO 2024)

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not a regulated material
14.3 Transport hazard class(es)	Non-hazardous for transport
14.4 Packing group	Non-applicable
14.5 Environmental hazard	No
14.6 Special precautions for user	Not necessary
14.7 Transport in bulk (Annex II MARPOL 73/78, IBC Code)	Not applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of local circumstances, in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product. Traditionally known as Turkey Red Oil, one of the first synthetic detergents historically used in textile dyeing; listed in international chemical inventories such as TSCA, DSL and EINECS.

Other legislation

Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
The Factories Act, 1948 (Act No. 63 of 1948), as amended by the Factories (Amendment) Act, 1987 (Act 20 of 1987)
Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

16. OTHER INFORMATION

Legislation related to safety data sheets

This safety data sheet has been designed in accordance with Annex 4 – Guidance on the preparation of Safety Data Sheets of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

Texts of the legislative phrases mentioned in sections 2 and 3

H315: Causes skin irritation.
H319: Causes serious eye irritation.

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

Advice related to training

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources

Generic precautionary safety data sheet for an industrial soap/detergent raw material; the grade-specific composition, classification and toxicological data are available from Suraj Chemicals on request.

Abbreviations and acronyms

GHS: Globally Harmonized System of Classification and Labelling of Chemicals | ADR: European agreement concerning the international carriage of dangerous goods by road | IMDG: International maritime dangerous goods code | IATA: International Air Transport Association | ATE: Acute Toxicity Estimate | CMR: Carcinogenic, Mutagenic or toxic for Reproduction | STOT: Specific Target Organ Toxicity | LD50: Lethal Dose 50 | LC50: Lethal Concentration 50 | EC50: Effective Concentration 50 | Log Pow: Octanol-water partition coefficient | PBT: Persistent, Bioaccumulative and Toxic | vPvB: Very Persistent and very Bioaccumulative

Disclaimer: The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product; it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within Suraj Chemicals' awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

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