



MATERIAL SAFETY DATA SHEET



INDY ANTIFREEZE & SUMMER COOLANT RED

1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|--------------------------|--|
| Product Name | Indy Antifreeze and Summer Coolant Red |
| Description | Cooling system protector |
| Validation Date | January 2025 |
| Manufacturer | GUD Holdings (Pty) Ltd via Indy Oil SA 3 The Avenue East Isipingo KwaZulu-Natal South Africa 4110 |
| Emergency Contact Number | + 27 31 910 3111 + 27 60 572 8088 |

2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product definition Mixture.

Classification according to Regulation GHS criteria

Acute Oral Toxicity - Category 4

Specific target organ toxicity (repeated exposure) - Category 2

Skin Irrit. 2

SAFETY DATA SHEET – PAGE 2

Eye Irrit. 1

Aquatic Acute 3

See Section 11 for more detailed information on health effects and symptoms.

See Section 12 for environmental precautions.

See Section 16 for the full text of the H statements declared above.

2.2 Label elements

Hazard pictogram

Signal Word



Warning.

Hazard statements:

| | |
|------|--|
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H361 | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H402 | Harmful to aquatic life. |

Precautionary statements:

Prevention

| | |
|------|---|
| P260 | Do not breathe mist, vapours, spray. |
| P264 | Wash hands thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |

SAFETY DATA SHEET – PAGE 3

P273

Avoid release to the environment.

Response

P301+P312

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P330

Rinse mouth.

P314

Get medical advice/attention if you feel unwell **Storage** Store in a well-ventilated place.

Storage

P405

Store locked up.

Disposal

P501

Dispose of contents and container to hazardous or special waste collection point.

2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

3. COMPOSITION/INFORMATION ON INGREDIENTS:

| Component | EINECS Number | CAS registry number | % content | Classification |
|----------------------------|---------------|---------------------|-----------|-------------------------|
| Ethane-1,2-diol | 203-473-3 | 107-21-1 | 70 - 90 | H302, H373 |
| Potassium 2-ethylhexanoate | 221-625-7 | 3164-85-0 | 25 - 50 | H318, H315, H303, H361, |

SAFETY DATA SHEET – PAGE 4

| | | | | |
|-------------------------|-----------|------------|--------|------------------------|
| | | | | H402 |
| Sodium 2-ethylhexanoate | 243-283-8 | 19766-89-3 | 7 - 10 | H303, H361 |
| Methyl-1H-benzotriazole | 249-596-6 | 9385-43-1 | 1 - 3 | H302, H361, H401, H411 |

4. FIRST AID MEASURES

General Information

Immediately remove contaminated clothing. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). First aid personnel should pay attention to their own safety.

The following recommendations apply to sources of exposure:

| | |
|--------------|--|
| Inhalation | Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler. |
| Ingestion | Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Administer 50 ml of pure ethanol in a drinkable concentration. |
| Skin Contact | Remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice |
| Eye Contact | Rinse out immediately with water. In all cases of eye contamination, it is a sensible precaution to seek medical advice. |

5. FIRE FIGHTING MEASURES

SAFETY DATA SHEET – PAGE 5

| | |
|--|---|
| Extinguishing Media | Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder). |
| Specific hazards arising from the chemical | Combustible liquid. harmful vapours. Evolution of fumes/fog. |
| Protective equipment and precautions for fire-fighters | On burning will emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. Keep containers cool with water spray. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|--|
| Personal precautions, protective equipment and emergency procedures | Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water. |
| Environmental precautions | Clear area of all unprotected personnel. Shut off all possible sources of ignition. If |

contamination of sewers or waterways has occurred advise local emergency services.

Spill clean-up / containment

Slippery when spilt. Avoid accidents, clean up immediately. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Dispose of absorbed material in accordance with regulations then wash area down with excess water.

7. HANDLING AND STORAGE

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

This material is a Scheduled Poison S6 and must be stored, maintained and used in accordance with the relevant regulations.

PRECAUTIONS FOR SAFE HANDLING

Avoid skin and eye contact and breathing in vapour. Keep out of reach of children.

Take precautionary measures against static discharges.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container tightly closed and dry; store in a cool, dry, well ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

PROTECTIVE EQUIPMENT

The following personal protective equipment is applicable:



ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize risk of inhalation of vapour.

RESPIRATORY EQUIPMENT

The use of respiratory equipment under normal operating conditions is not required. Should operating conditions create airborne concentrations that are excessive, the use of an approved respirators such as toxic dust, mist and fume respirators are recommended

HAND PROTECTION

The use of chemical-resistant, nitrile or butyl rubber gloves is recommended.

EYE PROTECTION

The use of tightly-fitted safety goggles / glasses is recommended when splashing is probable.

OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENE MEASURES

Wash contaminated clothing promptly and before reuse. Wash skin with soap and water upon contamination.

OCCUPATIONAL EXPOSURE

The ACGIH TLV for mineral oil mists is 5 mg.m⁻³ for a time period of 8-hour exposure. A short-term exposure limit of 10 mg.m⁻³ (STEL) is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------|-------------------------------|
| Physical appearance | Liquid at ambient temperature |
| Colour | Red |
| Odour | Faint specific odour |

SAFETY DATA SHEET – PAGE 8

| | |
|----------------------------|-----------------------------------|
| Solubility in water | Readily soluble |
| Solubility in solvents | Polar solvents |
| Vapour density (air = 1) | Heavier than air |
| Glycol content | ≥90 % (typical) |
| Density at 20°C | 1110 kg.m ⁻³ (typical) |
| Solidification temperature | ≤-36 (typical) |

10. STABILITY AND REACTIVITY

| | |
|----------------------------------|------------------------------------|
| Chemical stability | Stable. |
| Reactivity | Not reactive |
| Materials to avoid | Strong oxidising agents |
| Conditions to avoid | Extremes of temperatures. |
| Hazardous Decomposition Products | None under normal conditions known |

11. TOXICOLOGICAL INFORMATION

HEALTH WARNINGS

The product is not considered hazardous under normal conditions of use. May cause irritation to eyes, and irritation to skin under prolonged exposure or contact.

ROUTES OF ENTRY

Inhalation. Ingestion. Skin or eye contact.

TOXICOLOGICAL DATA

| | |
|------------------------|---|
| Inhalation | Not considered a hazard under normal use |
| Eye Irritation | Can be slightly irritating |
| Skin Irritation | Can be slightly irritating upon prolonged exposure. |
| Respiratory Irritation | If mists are inhaled, slight irritation of the respiratory tract may occur. |
| Carcinogenicity | Not known to be carcinogenic. |
| Mutagenicity | Not considered to be a mutagenetic hazard. |
| Reproductive toxicity | Not considered to be a hazard. |

12. ECOLOGICAL INFORMATION

ECOTOXICITY

The product may cause physical fouling of the aquatic environment, and may present risks associated with oil spills.

BIOACCUMULATION

The product has the ability to bioaccumulate. No available data on bioaccumulation.

DEGRADABILITY

No available data on degradability.

13. DISPOSAL CONSIDERATIONS

Waste relating to the product is considered hazardous, and should be disposed off according to regulations as stipulated by local authorities.

14. TRANSPORTATION INFORMATION

The product is not regulated and no special transportation requirements exist.

15. REGULATORY INFORMATION

Hazard phrases H302/H315/H318/H361/H373/H402

Safety phrases P260/P264/P270/P273/P301/P312/P305/P351/

P338/P330/P314/P405/P501

16. OTHER INFORMATION

Full text of H-Phrases

H302 Harmful if swallowed

H315 Causes skin irritation.

SAFETY DATA SHEET – PAGE 10

H318 Causes serious eye damage.

H361 Suspected of damaging the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H402 Harmful to aquatic life.

Full text of P-Phrases

P260 Do not breathe mist, vapours, spray.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P330 Rinse mouth.

P314 Get medical advice/attention if you feel unwell StorageStore in a well-ventilated place.

P405 Store locked up.

P501 Dispose of contents and container to hazardous or special waste collection point.

Further information

Validated by : GUD Holdings (Pty) Ltd

Validation date : January 2025

Revision number : 02

Revision date : January 2025

SAFETY DATA SHEET – PAGE 11

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.