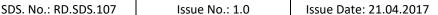


UNITED CHEMICALS COMPANY

SAFETY DATA SHEET





1. PRODUCTS AND COMPANY SPECIFICATION

Product Name

MUFF COOLANT AND ANTIFREEZE

Product Use

Radiator coolant and antifreeze agent

Supplier

Saudi Industrial Detergents Co. (SIDCO)

P.O Box 2571 2nd Industrial City, Dammam, KSA 31461

Phone No +966 (13) 816-6777 Fax Number +966 (13) 812-1061

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous IngredientCAS No.%Mono Ethylene Glycol107-21-140 - 45%

3. HAZARD IDENTIFICATION

- Harmful if swallowed
- Danger of organ damage through prolonged or repeated exposure

4. FIRST AID MEASURES

Eyes: Immediately rinse eyes with plenty of water for at least 15 minutes. Obtain medical attention urgently.

Skin: Remove contaminated clothing and flush with plenty of water.

Ingestion: Rinse mouth and drink plenty of water. Keep person under observation. Get medical help if person becomes uncomfortable.

Inhalation: Remove to fresh air. If irritation persists or there is any trouble breathing, seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Foam, dry powder and carbon dioxide.

Protective Equipment for Fire Fighting : Fire fighters require the necessary personal protective equipment for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak.

Environmental Precautions: Prevent large spills from entering sewers or waterways.

Spillages: Stop source of spill if it can be done without risk. Absorb with inert absorbent materials and place in suitable, covered and labelled containers for proper disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes. When using, do not eat or drink.

Storage: Store in a cool, dry and ventilated area. Keep container closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Standards : Not established

Eye Protection: Use appropriate eye protection when handling in large quantities

Hand Protection: Wear impermeable gloves for prolonged exposure

Skin and Body Protection: No special requirements under normal conditions

Respiratory Protection: Not normally required under normal use conditions. Wear self-contained breathing apparatus during a spill or clean-up operations.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Transluscent to clear

pH 7-8

Specific Gravity @ 28°C 1.05 – 1.06

Refractive Index 1.3726 - 1.3776

Color Fluorescent green
Odor Characterisitc

Flash Point N/A
Flammability N/A
Auto-ignition Temperature N/A
Explosive Properties N/A
Water Solubility Soluble

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid : None Materials to Avoid : None

Hazardous Decomposition Products: None o

11. TOXICOLOGICAL INFORMATION

Not available

12. ECOLOGICAL INFORMATION

Persistence / Degradability: Ultimately biodegradable

Bio-accumulation : Product is not expected to bioaccumulation Environmental Toxicity : Toxic to fish and other aquatic organisms

13. DISPOSAL

Product Disposal: Dispose of in accordance with all applicable local and national regulations.

Container Disposal: Where possible, containers should be rinsed with clean water and dispose in line with local regulations

14. TRANSPORT INFORMATION

Land, Air, Sea:

Class: Not regulated

UN Number: Packing Group:

15. REGULATORY INFORMATION

Risk Phrase(s): R22 Harmful if swallowed

R48 Danger of organ damage through prolonged or repeated exposure

Safety Phrase(s) S2 Keep out of reach of children

S13 Keep away from food, drink and animal feeding stuff

16. OTHER INFORMATION

HMIS RATING

Health 1 Flammability 0 Reactivity 0

This material safety data sheet is additional to the technical data sheet but does not replace it. The information given herein, to the best of our knowledge, is correct and given in good faith. It relates to the product in the state in which it is delivered. This product is for the uses specified and should only be used for those purposes. Any other use may involve risks. The user will take sole responsibility for the precautions relating to the use of the product. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

SIDCO is a liquid detergent manufacturing plant under United Chemicals Co. (UCC)

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