
HOSMAC – NZ 30

Effective Date: 05/11/06

1. Chemical Product and Company Identification

Generic Name:
Detergent and wetting agent

Manufacturer:
unitech GmbH, Roentgenstr. 7, D-57439 Attendorn
Telephone Number: 011 49 2722 9376 0
Fax Number: 011 49 2722 9376 76
Emergency Telephone Number: 011 49 2722 9376 54

2. Composition/Information on Ingredients

Mixture of specific additives in hydrocarbons

Ingredient	CAS No	Percent	Hazardous
Hydrocarbons	64742-48-9	50 – 70	Yes
Fatty acid amineoxethylates	26635-93-8	10 – 25	Yes

3. Hazards Identification

Emergency Overview

Danger! Eye contact causes irritations. Ensure prompt removal from skin, eyes and clothing.

Potential Health Effects

Inhalation:

Extended exposure to mist may cause upper respiratory irritation.

Ingestion:

May cause lung damage if swallowed. Swallowing small quantities may cause nausea or diarrhea.

Skin Contact:

May cause irritation, redness, burns, and pain.

Eye Contact:

Contact may cause irritation, burns, redness, pain, and blurred vision.

Chronic Exposure:

No information available.

Aggravation of Pre-existing Conditions:

No information available.

HOSMAC – NZ 30

4. First Aid Measures

Inhalation:

Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion:

If concentrate or mix is swallowed, **do not induce vomiting**. Rinse mouth with water. Give several glasses of water to drink to dilute. Get medical attention.

Skin Contact:

Wash exposed area with soap and water.

Eye Contact:

Flush immediately with running water. Get medical attention.

5. Fire Fighting Measures

Fire:

Flash point COC: 75°C (167°F) Hazardous combustion products: Smoke, fumes, COx, NOx

Explosion:

Not considered to be an explosion hazard, except when heated.

Fire Extinguishing Media:

Foam, carbon dioxide, dry extinguishing agents

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Collect with absorbent material and discard according to Federal, State and Local regulations.

7. Handling and Storage

Storage place should provide protection against frost and heat. Best stored between 50 and 85°F in a dry and ventilated area. Keep container tightly closed. Avoid all contact with eyes or skin.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:

Hydrocarbons (mist) 5 mg/m³ (OSHA, PEL, TWA)

Contents

< 70%

HOSMAC – NZ 30

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Skin Protection:

Wear protective gloves (nitrile) and clean body-covering clothing when handling the concentrate.

Eye Protection:

Safety goggles are required when handling the concentrate. Maintain eye wash fountain facilities in work area.

Work/Hygiene Practices:

Good personal hygiene should always be practiced.

9. Physical and Chemical Properties**Appearance:**

yellow turbid liquid

Odor:

typical

Solubility:

Miscible in water.

Density:

870 kg/m³

pH @ 20 g/l in water, 20°C (68°F):

7 - 9

% Volatiles by volume @ 21°C (70°F):

0

Boiling Point:

ND

Vapor Density (Air=1):

ND

Vapor Pressure (mm Hg):

ND

Evaporation Rate:

ND

10. Stability and Reactivity**Stability:**

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Hazardous combustion products: Smoke, fumes, CO_x, NO_x

Hazardous Polymerization:

Will not occur.

HOSMAC – NZ 30

Incompatibilities:

Avoid contact with oxidizers or strong acids to product concentrate.

Conditions to Avoid:

Heat, flames, incompatibles.

11. Toxicological Information

Skin Effects: Slight skin irritation expected.

Eye Effects: Eye irritation expected

12. Ecological Information

This product represents a hazard to water. Keep product out of sewage systems or water bodies. Avoid entering into the ground.

13. Disposal Considerations

For Used Mix: Disposal procedures must comply with Local, County, State and Federal regulations. If pre-treatment is necessary, ultrafiltration or emulsion breaking may be used.

For Unused Concentrate: Concentrate is not a hazardous waste, as defined under 40 CFR 261.

"EMPTY" Containers will contain a residue which is not considered a hazardous waste under RCRA regulations. Drums can be drained to a "drip dry" condition by inversion and can be offered for recycling or scrap.

14. Transport Information

By Land: Not a hazardous material (49 CFR 172.101).

By Air or Vessel: Not a hazardous material (49 CFR 175-176)

15. Regulatory Information

CERCLA Section 103

Components present in this product at a level which could require reporting under

40CFR302.4: None

SARA Section 302: Not applicable

HOSMAC – NZ 30

SARA Hazard categories, SARA Sections 311/312

Acute Yes	Chronic No	Fire Yes	Reactivity No	Pressure No
--------------	---------------	-------------	------------------	----------------

SARA Sections 313: None

Chemical Inventories

The ingredients of this product are on the following Chemical Substance Inventories:

EINECS TSCA

Poison Schedule: No information found.**WHMIS:**

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information**NFPA Ratings:** Health: 2 Flammability: 1 Reactivity: 0**Label Hazard Warning:****Danger! Eye contact causes irritation. Ensure prompt removal from skin, eyes and clothing.****Label Precautions:**Avoid contact with eyes, skin, or clothing.
Keep container tightly closed if not in use.
Keep away from heat and flame.**Label First Aid:**If concentrate or mix is swallowed, **do not induce vomiting**. Get medical attention. Never give anything by mouth to an unconscious person. Rinse mouth with water. Give several glasses of water to drink to dilute. If inhaled, remove to fresh air. In case of contact, immediately flush eyes and skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse.**Product Use:** Detergent and wetting agent**Revision Information:** Chapter 2, 3, 9, 11, 16

The opinions expressed herein are those of qualified experts within unitech GmbH and of their suppliers. We believe that the information contained herein is current as of the date of this Material Data Sheet. Since the use of this information and of these opinions and the condition and use of the product are not within the control of unitech GmbH, it is the user's obligation to determine the conditions of safe use of the product.
