



Material Safety Data Sheet

Product name: Demulsifier NR-11

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Demulsifier NR-11

Chemical name: Alkoxylated alkylphenol formaldehyde resin

Supplier :NUR Chemicals & Engineering Indus. L.L.C
 P.O. Box 926948
 Amman 11190 Jordan
 Tel.:+962 6 461 9988
 Fax:+962 6 461 9989
www.nurchemicals.com

Emergency Tel. NO.:+962 6 402 3995

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS # | Concentration |
|--|------------|---------------|
| Formaldehyde, polymer with phenol, Methyloxirane and oxirane | 30704-64-4 | 88.5 % |
| Heavy aromatic solvent naphtha | 64742-94-5 | < 10 % |
| nephthalene | 91-20-3 | < 1.5 % |
| Oxirane | 75-21-8 | < 0.001 % |

3. HAZARDS IDENTIFICATION

APPEARANCE

Physical state Liquid
Color Dark amber
Odor Mild Aromatic

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EMERGENCY OVERVIEW

Caution!

COMBUSTIBLE LIQUID

MAY BE HARMFUL IF SWALLOWED.

NORMAL PRECAUTIONS COMMON TO SAFE MANUFACTURING PRACTICE SHOULD BE FOLLOWED IN HANDLING AND STORAGE.

POTENTIAL HEALTH EFFECTS

Swallowing

Acute effects

May be harmful if swallowed.

Skin absorption

Acute effects

Harmful effects are not expected from short periods of contact.

Inhalation

Acute effects

Short-term harmful health effects are not expected from vapor generated ambient temperature.

Skin contact

Acute effects

Prolonged contact may cause irritation.

Eye contact

Acute effects

May cause discomfort

POTENTIAL ENVIRONMENTAL EFFECTS

No information available.

4. FIRST AID MEASURES

Swallowing: Do not induce vomiting. Obtain medical attention immediately.

Skin: Wash skin with soap and water.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Obtain medical attention.

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Eye Contact: Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persists.

5. FIRE-FIGHTING MEASURES

Flash point: > 65C°

Special protective equipment for firefighters

Use self-contained breathing apparatus when fighting fires in enclosed areas.

Extinguishing media

Suitable: Extinguish with:

- Water fog
 - Dry chemical
 - CO2
 - Alcohol resistant foam
-

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

Environmental precautions

Avoid runoff to sewers or waterways. Insoluble in water.

Methods for cleaning up

Dike to contain spill. Recover by pumping or scooping into appropriate containers. For small spills use of an absorbent may facilitate collection. Traces of material may be removed by flushing with water to a sewer connected to an appropriate treatment facility.

Absorb on inert material such as sand, earth, vermiculite.

Observe government regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Do not get in eyes, on skin, on clothing. Keep drums tightly closed to prevent contamination. Wear recommended personal protection equipment. Never use pressure to empty drums.

STORAGE

Storage requirements

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Store and use with adequate ventilation. Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory

If personnel exposure exceeds the exposure limits, select appropriate protective equipment in accordance with NIOSH recommendations.

Hand protection/protective gloves

Resistant gloves.

Eye protection

Safety glasses.

Skin protection

Rubber or plastic apron

Industrial hygiene measures

Remove contaminated clothing and clean it

ENGINEERING CONTROLS

Ventilation

General (mechanical) room ventilation is expected to be satisfactory for normal handling.

Exposure limits

No exposure limits have been established

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

| | |
|-----------------------|---------------|
| Physical state | Liquid |
| Color | Dark amber |
| Odor | Mild Aromatic |

OTHER PROPERTIES

| | |
|----------------------|------------|
| Boiling point | Decomposes |
| Melting point | NA |

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| | |
|------------------------------|--|
| PH | 10-12 Connection: 50 g/l |
| Density | 1.03/cm ³ at 25 °C |
| Vapor pressure | ND |
| Vapor density (air=1) | ND |
| Solubility in water | Dispersible |
| Flash point | 65 C° Method: Pensky-Martens closed cup ASTM D 93 |
| Percent volatiles | 15 % (m) |

10. STABILITY AND REACTIVITY

Stability: stable.

Stability – Conditions to avoid

Stable under normal conditions.

Incompatible materials

Strong oxidizing agents.

Hazardous combustion products

Carbon monoxide.

Carbon dioxide.

Hazardous polymerization: will not occur

11. TOXICOLOGICAL INFORMATION

GENERAL

No information available

12. ECOLOGICAL INFORMATION

No information available

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13. DISPOSAL CONSIDERATIONS

General: It is our opinion this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determination as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product. Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

Non-cleaned packages

Dispose of washing solution in the same way as product.

14. TRANSPORT INFORMATION

DOT Classification

Not regulated by air, road or rail if shipped or transport in containers less than 450 L.

Proper shipping name: COMUSTIBLE LIQUID

UN ID #: NA 1993

Packing group: III

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are: **** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are: None.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

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Components present in this product at a level which could require reporting under the statute are: None

Pennsylvania Right -To- Know Hazardous Substance List-Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are: None.

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS

Please consult the product and/or application information bulletins for this product.

HMIS RATING

| | | | |
|-----------|-----------------|---------------|--------|
| Health: 1 | Flammability: 2 | Reactivity: 0 | PPI: - |
|-----------|-----------------|---------------|--------|

LEGEND

| | |
|----------|---|
| STP | Standard temperature and pressure |
| W/W | Weight/Weight |
| 0 (HMIS) | Minimal hazard |
| 1 (HMIS) | Slight hazard |
| 2 (HMIS) | Moderate hazard |
| 3 (HMIS) | Serious hazard |
| 4 (HMIS) | Severe hazard |
| X (HMIS) | Personal protection rating to be supplied by user depending on use conditions |