

CARRIER 038-A

Material Safety Data Sheet



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In the USA 24 HOUR Transportation Accident EMERGENCY RESPONSE TELEPHONE NUMBER - CHEMTREC - 1-800-424-9300
Outside of the USA call collect to CHEMTREC in Arlington, Virginia, USA @ 703 527 3887.

Recipients of this Material Safety Data Sheet should study it carefully to become aware of and understand the health or physical hazards associated with this product. It may be appropriate or necessary to consult experts or reference books about safe handling, ventilation, toxicology, environmental regulations and fire prevention in order to sufficiently understand the Material Safety Data Sheet. Employers should inform workers and any others who are potentially or actually exposed to health or physical hazards associated with this product.

DATE: November 19, 1999

1. CHEMICAL PRODUCT

COMMERCIAL NAME: **CARRIER 038-A**
CHEMICAL IDENTITY: Aqueous Surfactant Mixture

2. COMPOSITION	Weight %	CAS Number
Active Ingredients	~ 41.5	(Proprietary Mixture)
Water	~ 58.5	7732 18 5

While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

3. HAZARDS IDENTIFICATION

Product is **not hazardous in transport** or supply. Liquid contact with **eyes** may cause stinging, redness, tearing or discomfort to mild transient irritation, depending on amount and duration of exposure. Prolonged or excessive **inhalation** of spray or mist may cause dizziness, nausea, respiratory tract congestion and irritation. Inhalation of aspirated product or vomitus of swallowed liquid may cause pneumonitis. Liquid contact may cause moderate **skin** irritation if not rinsed off promptly. This "soap" type product can remove natural skin oils, resulting in dryness, redness and itching. **Swallowing** may cause gastrointestinal tract discomfort or laxative effects, nausea, vomiting or diarrhea, depending on the amount ingested. Spills are slippery.

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with flowing water for 15 minutes and get medical aid to ensure proper treatment.

SKIN CONTACT: Promptly rinse off thoroughly with water, then gently wash with soap & water. Remove and thoroughly rinse clothing, shoes, etc., then launder clothing before reuse.

INHALATION: Get fresh air. If breathing is difficult, get medical aid promptly.

INGESTION: **If conscious**, rinse your mouth with water and drink 2-3 glasses of water to dilute. **Do Not Induce** vomiting. Get medical aid. **If exposed person is unconscious**, get emergency medical aid for the patient.

5. FIRE-FIGHTING MEASURES:

EXTINGUISHING MEDIA: Dried product will support combustion. Use extinguishers suitable for size of fire. Foam, Water Fog or any ABC extinguisher.

SPECIAL EXPOSURE HAZARDS: Spilled product is slippery. Cool heated containers with water spray, from a safe distance, because heat may cause container pressurization and rupture.

SPECIAL PROTECTIVE EQUIPMENT: Face shield, liquid proof gloves and boots. Wear self-contained or air supplied respiratory protection to fight large fire or in an unventilated area.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear personal protective clothing and equipment suitable to minimize contact.
 Keep unnecessary people away.
 Spilled product is slippery.
 Recover for use if possible.

ENVIRONMENTAL PRECAUTIONS: Prevent spillage into waterways and drainage systems. Contain all spills.

CLEAN-UP METHODS: Small spills: Wipe or absorb, or where permitted, flush to a secondary wastewater treatment system. Check with wastewater authorities for allowable concentration. Contain and transfer absorbed materials to suitable containers and keep for proper disposal.

Large Spills: Contain and transfer into suitable containers and keep for recovery and use or disposal.

7. STORAGE AND HANDLING

STORAGE: Store at 40° F to 110° F, (5° C to 40° C). Do not apply localized heat. Avoid contamination. Keep away from high heat, acids and oxidizers. Store in a diked area to contain drips, leaks and spills.

HANDLING: Avoid contact with eyes, skin and clothing. Wear protective clothing & equipment. Avoid inhalation and contact with mists or vapor when processing this product. If your use or processing forms dust, then suitable precautions must be implemented to control exposure and dust ignition. Keep containers closed, except for immediate use. If needed, stir before use, because separation may occur if subjected to high heat or freezing.
Follow safe and hygienic industrial chemical handling practice.

8. EXPOSURE CONTROL / PERSONAL PROTECTION**EQUIPMENT DESIGN / TECHNICAL PROTECTIVE MEASURES:**

Since this is a water-based product, corrosion resistant materials for handling equipment should be used.

EXPOSURE CONTROL LIMITS:	Component	CAS Number	Weight %	TLV / PEL	STEL
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None

Use appropriate worker exposure controls that may be required by how this product is processed / used.

PERSONAL PROTECTION: Safety glasses and/or face shield as handling or use conditions require. Liquid proof gloves such as PVC. Liquid proof apron or coveralls, if needed, to minimize contact.

RESPIRATORY PROTECTION: Not normally needed for product as is. Heated product will emit vapors and exposed workers may need a NIOSH approved, organic vapor, canister type respirator. But where solutions of product are applied and or heated to evaporate waterborne vapors, then local ventilation or a particulate / spray, air purging respirator should be used if workers may be or are exposed.

INDUSTRIAL HYGIENE: Undue exposure or spillage should be avoided as a matter of good safety practice.

Follow safe and hygienic industrial chemical handling practices.

ONLY FOR INDUSTRIAL USE.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Brown liquid
ODOR:	Mild vanilla like, soapy odor.
pH:	~ 6
SPECIFIC GRAVITY (20°C):	~ 1.15
Bulk Density, pounds / gallon	~ 9.58
SOLUBILITY IN WATER:	Appreciable – (Completely Miscible / Dispersible)
PERCENT VOLATILE ORGANIC COMPOUNDS:	0.31 (Method 24, Modified)
FLASH POINT (T C C)	Not tested. Aqueous system, without significant volatiles.
VAPOR PRESSURE:	~ 17.53 mm Hg @ 20°C (Water)
VAPOR DENSITY (Air = 1)	~ 0.62 (Water)

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Contamination and temperature extremes may impair product quality.

MATERIALS TO AVOID: Strong oxidizers and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal degradation produces water vapor, soot, smoke and oxides of carbon, sulfur and nitrogen.

STABILITY: Stable - polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

EYE IRRITATION: Mild, transient to moderate irritation depending on exposure.

SKIN IRRITATION: Mild to moderate, transient irritation depending on exposure.

RESPIRATORY TRACT IRRITATION: May occur from overexposure. See Section 8, Respiratory Protection.

OTHER PERTINENT INFORMATION: Thorough irrigation of eyes or skin with water immediately after contact is necessary to minimize effects.

12. ECOLOGICAL INFORMATION

FOOD CHAIN CONCENTRATION POTENTIAL: NONE

13. DISPOSAL CONSIDERATIONS

Dispose of unrecoverable material as non hazardous solid waste, by incineration with supplemental fuel, at permitted facilities. Or landfilling adsorbed / solidified materials, at permitted facilities. All waste treatment and disposal must be in accordance with all applicable local, State and Federal regulations for chemical waste. When disposed of, this product is not hazardous waste. Mixtures will have to be evaluated for proper RCRA status.

14. TRANSPORT INFORMATION

D. O. T. Proper Shipping Name: Not D. O. T. Regulated

IMDG No.:	}	
RID/ADR:	}	
MARPOL:	}	
UN No:	}	Not Regulated
IATA:	}	
TREMCARD:	}	
TGD:	}	

OTHER PERTINENT INFORMATION: Spilled product causes slippery conditions.

15. REGULATORY INFORMATION

CLASSIFICATION AND LABELING ACCORDING TO EC DIRECTIVES 67/548: Not Regulated in Transport.
"Not Dangerous".

RISK PHRASES: None Required

SAFETY PHRASES: None Required

Recipients are reminded to also refer to local / national measures that may be relevant.

Cal-Osh Prop. 65: Not applicable

Clean Air Act: Not Applicable

Clean Water Act: B.O.D., Turbidity, pH, Suspended and dissolved solids.

CONEG: No metals above regulatory limits.

RCRA: Regulated as non hazardous chemical waste. All metals are suspected to be at extremely low levels.

SARA, Title III - Sections 311 & 312: Not Applicable **Section 313:** Not Applicable

TSCA: All of the ingredients in this product are included in the E. P. A. Inventory of Chemical Substances & the Canadian **DSL**.
Section 12b Export Notification is not required.

16. OTHER INFORMATION

NFPA & HMIS Hazard Ratings: Health = 1, Flammability = 1, Reactivity = 0 (PPE should be determined by your supervisor. C recommended.)

(OSHA RTK Labeling: # 13)

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