

W. R. GRACE
MATERIAL SAFETY DATA SHEET

Product Name: OPTEC EC-130
MSDS ID Number: MP-90426

MSDS Date: 01/12/2009

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: OPTEC EC-130
MSDS Number: MP-90426
Cancelled MSDS Number: MP-90412
MSDS Date: 01/12/2009
Chemical Family Name: Aqueous Solution of Various Composition
Product Use: Masonry Cement Additive
Chemical Formula: Mixture-NA
CAS # (Chemical Abstracts Service Number): Mixture-NA

Manufactured by:

| | |
|--|---|
| W.R.Grace & Co.-Conn. 62 Whittemore Avenue Cambridge, MA 02140 | Grace Canada, Inc. 294 Clements Road West Ajax, Ontario L1S 3C6 |
|--|---|

In Case of Emergency Call:

In USA: (617) 876-1400 In Canada: (905) 683-8561

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS# | Percent (max) |
|-------------------------------------|-------------|---------------|
| Alpha Olefin Sulfonate, Sodium Salt | 068439-57-6 | 1-10 |
| Fatty acids, tall-oil | 061790-12-3 | 10-25 |

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:

Caution!

Causes eye irritation.
Causes skin irritation.
May be harmful if ingested.

HMIS Rating:

Health: 2
Flammability: 1
Reactivity: 0
Personal Protective Equipment: B (See Section 8)

Potential Health Effects:

Inhalation: Causes respiratory tract irritation. If prolonged exposure to vapor or mist occurs, effects may be more severe resulting in coughing and breathing difficulties.

Eye Contact: Eye contact causes irritation.

Skin Contact: Skin contact causes irritation.

Prolonged skin contact can result in irritation causing redness and itching.

Skin Absorption: Not expected to be harmful if absorbed through the skin.

Ingestion: Harmful if ingested.

Effects include: Nausea, pulmonary edema (from aspiration into the lungs from vomiting), diarrhea and digestive tract irritation.

SECTION 4 - FIRST AID MEASURES:

Skin Contact: Wash with soap and water.

If discomfort or irritation persists, consult a physician.

Remove contaminated clothing and wash before reuse.

Eye Contact: Flush eyes with water for at least 15 minutes while holding eyelids open.

If discomfort or irritation persists, consult a physician.

Ingestion: Do not induce vomiting.

Never give anything by mouth to an unconscious person.

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If discomfort or irritation persists, consult a physician.

Inhalation: If symptoms develop, get fresh air. If symptoms persist, consult a physician.

If breathing has stopped, give artificial respiration then oxygen if needed.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Not Applicable
Flash Point Method: Not Applicable
Lower Explosion Limit: Not Available
Upper Explosion Limit: Not Available
Auto-ignition Temperature: Not Available

NFPA Rating:

Health: 1
Flammability: 1
Reactivity: 0

Extinguishing Media: In case of fire, use water spray, dry chemical, Carbon dioxide or foam.

Special Fire Fighting Procedures:

Wear self-contained breathing apparatus and complete personal protective equipment when potential for exposure to vapors or products of combustion exist. Water may be used to cool containers to prevent pressure build-up and possible auto-ignition or explosion. Avoid breathing hazardous vapors or products of combustion. Keep upwind. Isolate area and keep unnecessary people away. Prevent run-off from fire control or dilution from entering streams or drinking water supplies.

Unusual Fire and Explosion Hazards: None unless noted below.

SECTION 6 - ACCIDENTAL RELEASE MEASURES:

Spills/Leaks: Use proper personal protective equipment. Do not flush to sewer or allow to enter waterways. Keep unnecessary people away.

Oil spills released directly to waterways may be subject to National Response Center (1-800-424-8802) reporting. Immediately contact your company's environmental coordinator or the Grace Environmental Health and Safety Department.

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container. For large spills, dike area and pump waste material into closed containers for disposal or reclamation.

SECTION 7 - HANDLING AND STORAGE

Precautionary Measures: Do not cut, drill or weld on or near containers whether full or empty. Avoid contact with eyes, skin and clothing.

Do not take internally.

Practice good personal hygiene to avoid ingestion.

Use only with adequate ventilation.

Wash clothing before reuse.

FOR PROFESSIONAL USE ONLY. KEEP OUT OF CHILDREN'S REACH.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

EXPOSURE GUIDELINES (US)

| Ingredient | ACGIH TLV | | | OSHA PEL | | | Other |
|-------------------------------------|-----------|------|---------|----------|------|---------|-------|
| | TWA | STEL | Ceiling | TWA | STEL | Ceiling | |
| Alpha Olefin Sulfonate, Sodium Salt | - | - | - | - | - | - | - |
| Fatty acids, tall-oil | - | - | - | - | - | - | - |

EXPOSURE GUIDELINES (CANADA)

Employers should consult local Provincial regulatory limits for exposure guidelines which may vary locally.

Engineering Controls: Not generally required.

Personal Protective Equipment:

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Respiratory Protection: Respiratory protection is not normally required. However, a chemical cartridge respirator with organic vapor cartridge and a prefilter for dusts/mists is required at or above the applicable exposure limits (Consult above Exposure Guidelines). If no limits exist, use an approved respirator whenever a vapor or mist is generated or if respiratory irritation occurs. Supplied air respirator (SCBA) is required at exposure levels above the capabilities of a chemical cartridge respirator.

Skin Protection: Rubber or other impervious gloves should be worn to prevent skin contact.

Eye Protection: At minimum, safety glasses with side shields should be worn where exposure to excessive dust or spray is likely.

Work/Hygienic Practices: Use good personal hygiene practices.
None beyond those noted above.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-------------------------------------|
| Physical State: | Liquid |
| Appearance/Odor: | Cream-colored emulsion. Sweet odor. |
| Odor Threshold: (ppm) | Not Determined |
| pH: | 4.0-7.0 |
| Vapor Pressure: (Mm Hg) | Unknown |
| Vapor Density: (Air = 1) | Unknown |
| Solubility In Water: | Unknown |
| Specific Gravity: (Water = 1) | 0.97-0.99 |
| Evaporation Rate: (Butyl Acetate = 1) | Unknown |
| Boiling Point: | >212°F/100°C |
| Viscosity: | Unknown |
| Bulk Density: (Pounds/Cubic Foot)(Pcf) | Not Applicable |
| % Volatiles (gr/L): (70°F) (21°C) | Not Available |

SECTION 10 - STABILITY AND REACTIVITY

| | |
|--|-------------------------------------|
| Chemical Stability: | Stable |
| Conditions To Avoid: | Strong oxidizers. |
| Hazardous Polymerization: | Will not polymerize. |
| Hazardous Decomposition Products: | Carbon dioxide and Carbon monoxide. |

SECTION 11 - TOXICOLOGICAL INFORMATION

Ingredient(No data unless listed.) **CAS Number** **LD50 and LC50**

Carcinogenicity:

| Ingredient | IARC Group 1 | IARC Group 2A | IARC Group 2B | NTP Known | NTP Suspect | OSHA |
|-------------------------------------|--------------|---------------|---------------|-----------|-------------|------|
| Alpha Olefin Sulfonate, Sodium Salt | No | No | No | No | No | No |
| Fatty acids, tall-oil | No | No | No | No | No | No |

Mutagenicity: Not applicable.

Teratogenicity: Not applicable.

Reproductive Toxicity: Not applicable.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Fate: No data available for product.

Ecotoxicity: No data available for product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Procedures: Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. According to EPA (40 CFR § 261), waste of this product is not defined as hazardous. Dispose of waste in accordance with all applicable regulations.

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SECTION 16 - OTHER INFORMATION

Non-Hazardous Ingredient Disclosure:

Chemical Name

Water

CAS Number

007732-18-5

Prepared by:

EH&S Department

Approved by:

EH&S Department

Approved Date:

01/12/2009

Disclaimer:

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."