



State of the Art Ingredients • Fast Friendly Service

Natural Surfactant Enhancer

SECTION 1 :: PRODUCT IDENTIFICATION

Product Name: Natural Surfactant Enhancer

Chemical class Fatty acid ester

Emergency Medical 800-228-5635
Chemtrec 800-424-9300
Chemtrec Int'l 703-527-3887

SECTION 2 :: HAZARDS IDENTIFICATION

Emergency overview Contact with eyes may cause irritation. Contact with skin may cause irritation.

Potential health effects

Eyes This product may cause slight irritation to the eyes.
Skin Not expected to be a primary skin irritant. Prolonged or excessive skin contact with this product may cause mild skin irritation.
Inhalation Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion No significant adverse effects are expected upon ingestion of the product.

SECTION 3 :: PHYSICAL DATA

| Components | CAS # | Percent |
|--|------------|---------|
| Glycerides, C8-10 mono-, di- and tri- (Alt CAS 85536-07-8/85409-09-2) | 91744-32-0 | 99 |
| _Glycerin | 56-81-5 | 1 |



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SECTION 4 :: FIRST AID MEASURES

First aid procedures

| | |
|----------------------|---|
| Eye contact persists | Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention. |
| Skin contact | For skin contact flush with large amounts of water. If irritation persists get medical attention. |
| Inhalation | If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention, if needed. |
| Ingestion | If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. |

SECTION 5 :: FIREFIGHTING MEASURES

| | |
|---|--|
| Flammable properties | Not a fire hazard. |
| Extinguishing media | |
| Suitable extinguishing media | Dry chemical, foam, carbon dioxide, water fog. |
| Protection of firefighters | |
| Protective equipment and precautions for firefighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

SECTION 6 :: ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------|--|
| Personal precautions | Do not touch or walk through spilled material. Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Wear appropriate protective equipment and clothing during clean-up. |
| Large Spills: | Dike far ahead of liquid spill for later disposal. |
| Small Spills: | Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. |



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SECTION 7 :: HANDLING AND STORAGE

Handling Do not get this material in contact with eyes. Wash thoroughly after handling.

Storage Store in a dry area. Keep the container in a well-ventilated place. Keep from freezing. Keep away from heat.

SECTION 8 :: EXPOSURE CONTROLS / PERSONAL PROTECTION

| Exposure limits Components | Type | Value | Form |
|---|------|----------|----------------------|
| _Glycerin (56-81-5) | TWA | 10 mg/m3 | Mist. |
| U.S. - OSHA Components Type Value Form | | | |
| _Glycerin (56-81-5) | PEL | 5 mg/m3 | Respirable fraction. |
| | | 15 mg/m3 | Total dust. |
| | TWA | 5 mg/m3 | Respirable fraction. |
| | | 10 mg/m3 | Total dust. |

Engineering controls Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal protective equipment

| | |
|------------------------|--|
| General | Eye wash fountain and emergency showers are recommended. |
| Eye / face protection | Wear safety glasses; chemical goggles (if splashing is possible). |
| Skin protection | Use impervious gloves. |
| Respiratory protection | Under normal conditions, respirator is not normally required. If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. |



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SECTION 9 :: PHYSICAL & CHEMICAL PROPERTIES

| | |
|--------------------|------------------------------------|
| Physical state | Liquid. |
| Melting point | 75.2 - 86 °F (24 - 30 °C) |
| Flash point | > 302 °F (> 150 °C) PMCC |
| Evaporation rate | Estimated slower than ethyl ether. |
| Vapor pressure | Not Applicable |
| Vapor density | Not Applicable |
| Specific gravity | 0.992 g/ml @ 25 C |
| Solubility (water) | Dispersible |
| RVOC | 0 % |
| Viscosity | 37 cST @ 100 F |

SECTION 10 :: STABILITY & REACTIVITY

| | |
|------------------------------------|--|
| Chemical stability | Stable at normal conditions. |
| Incompatible materials | Strong oxidizing agents. This product may react with strong alkalis. |
| Hazardous decomposition products | None known. |
| Possibility of hazardous reactions | Will not occur. |

SECTION 11 :: TOXICOLOGICAL INFORMATION

Not available.

SECTION 12 :: ECOLOGICAL INFORMATION

| | |
|-------------|---|
| Ecotoxicity | No data is available on the product itself. |
|-------------|---|

SECTION 13 :: DISPOSAL CONSIDERATIONS

| | |
|-----------------------|--|
| Disposal instructions | All wastes must be handled in accordance with local, state and federal regulations. Regulations vary. Dispose in accordance with all applicable regulations. |
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SECTION 14 :: TRANSPORT INFORMATION

Notes Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

SECTION 15 :: REGULATORY INFORMATION

US federal regulations This product is regulated by the Food and Drug Administration (FDA) and therefore is not subject to the provisions of the Toxic Substances Control Act (TSCA).
This product is exempt from the Toxic Substances Control Act (TSCA) Inventory when used solely as a Cosmetic Ingredient.
This product is approved for use in Canada in personal care and cosmetic applications only.

Reportable Quantity There is no calculable reportable quantity (RQ) for this product.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of New and Existing Chemicals (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

5103 Commercial Park Drive, ste A· Austin TX 78724

(512) 535::2711 ·(512) 535::7362 fax

www.ingredientstodiefor.com · help@ingredientstodiefor.com



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State regulations

US - Pennsylvania RTK - Hazardous Substances: Listed substance

_Glycerin (56-81-5)

Listed.

SECTION 16 :: OTHER INFORMATION

HMIS® ratings

Health: 1
Flammability: 1
Physical hazard: 0
Personal protection: X

NFPA ratings

Health: 1
Flammability: 1
Instability: 0

Disclaimer

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