

1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Identification of the substance:

Product Name: FM 2000

INCI Name: Decyl Glucoside

Recommended use of the chemical

General uses: Surfactant. Used in personal care industry.

Restrictions on use: None

2 - HAZARDS IDENTIFICATION

The hazard classification of the chemical:

Eye damage Category 1

Skin irritation Category 2

Signal word: Danger

Hazard statement:

H315: Causes skin irritation.

H318: Causes serious eye damage.

Pictograms:



Precautionary statement:

P264 Wash thoroughly after handling.

P280 Wear eye protection and protective gloves.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

INCI Name	Content %	CAS#
Decyl Glucoside	51.0-55.0%	68515-73-1 & 110615-47-9
Water	45.0-49.0%	7732-18-5

4 - FIRST AID MEASURES

In the event of exposure by inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

In the event of splashes or contact with eyes:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

In the event of splashes or contact with skin:

Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

In the event of swallowing:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

5 - FIRE-FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: These products are carbon oxides (CO, CO₂).

Fire Hazards in Presence of Various Substances:

Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.

Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Special protective equipment for fire-fighters:

As with most organic solids, fire is possible at elevated temperatures.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Normal precautions.

Environmental precautions:

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

Methods for cleaning up:

No data.

7 - HANDLING AND STORAGE

Handling:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Safety glasses. Lab coat.

Personal Protection in Case of a Large Spill: Splash goggles. Full suit. Boots.

Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: Yellowish viscous liquid

Important health, safety and environmental information:

Appearance:	Yellowish viscous liquid
Odor:	Characteristic.
Vapor Pressure:	Not available.
Vapor Density:	Not available.
Evaporation Rate:	Negligible.
Viscosity(40°C):	1000-6000mPa.s.
pH (10% sol):	11.5-12.5
Boiling Point:	Not available.
Melting Point:	Not available.
Specific Rotation[α] 20	Not available.
Decomposition Temperature:	Not available.
Solubility in water:	Easily soluble in cold water, hot water.
Specific Gravity/Density:	Not available.

Other information

No data available

10 - STABILITY AND REACTIVITY

Stability: The product is stable.

Conditions of Instability: Excess heat, incompatible materials

Corrosivity: Not available.

Special Remarks on Reactivity: Air and light sensitive.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Materials to avoid: Oxidizing agents, Acid.

Hazardous decomposition products: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50 Rat, oral: (CAS No. 110615-47-9): > 5000 mg/kg

LD50 Rat, oral: (CAS No. 68515-73-1) > 2000 mg/kg

Toxicological effects

Acute toxicity (oral): Lack of data

Acute toxicity (dermal): Lack of data

Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Specific target organ toxicity (single exposure): Lack of data. Specific target organ toxicity (repeated exposure): Lack of data. Aspiration hazard: Lack of data.

Other information: Not known to cause sensitization.

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12 - ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: Lack of data

Water Hazard Class: Lack of data.

Persistence and degradability

Further details: Biodegradability in Water: Lack of data.

Bioaccumulative potential

Partition coefficient n-octanol/water: Lack of data.

Mobility in soil

No data available

Results of PBT and vPvB assessment

No data available

Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

13 - DISPOSAL CONSIDERATIONS

Waste: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Soiled packaging: None-recycle.

14 - TRANSPORT INFORMATION

UN number

Not applicable

UN proper shipping name

ADR/RID, IMDG, IATA: Not restricted

Transport hazard class(es)

Not applicable

Packing group

Not applicable

Environmental hazards

Marine pollutant - IMDG: No

Special precautions for user

No dangerous good in sense of these transport regulations.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

15 - REGULATORY INFORMATION

Federal and State Regulations:

Registration status:

Chemical TSCA, US released / listed

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances. EC# : 500-220-1 & 600-975-8.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0