


Safety Data Sheet

SDS ID 10001 Product Identifier UIC NE-002F Product Name Surfactant

1 Identification

Product ID	UIC NE-002F
Product Name	Surfactant
Other ID	Not available
Recommended Use	Non-emulsifier, Surfactant (Non-Ionic)
Recommended Restrict	None known.
Manufacturer Name	UNION INTEGRATED COMPANY LLC
Manufacturer Address	PLOT: 282/283, SAMAIL INDUSTRIAL
Manufacturer Telephone	+ 968 2285 0834
Supplier Information	UNION INTEGRATED COMPANY LLC
Supplier Telephone	+ 968 2285 0834

2 Hazard(s) Identification

Physical Hazards	Flammable liquids	Category 3
Health Hazards	Acute toxicity, dermal	Category 3
	Acute toxicity, inhalation	Category 3
	Acute toxicity, oral	Category 4
	Flammable liquids	Category 3
	Serious eye damage/eye irritation	Category 1
	Skin corrosion/irritation	Category 2
	Specific target organ toxicity, single expos	Category 1
Environmental Hazards	Not classified.	
OSHA defined Hazard	Not classified.	
Label elements		
Signal Word	Danger	
Hazard Statement	Flammable liquid and vapor. Harmful if swallowed. Toxic in contact with skin. Causes skin irritation. Causes serious eye damage. Toxic if inhaled. Causes damage to organs.	
Precautionary Statement	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing. Wear protective gloves/eye protection/face protection.	
Response	If swallowed: Call a poison center/doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse	



Safety Data Sheet

SDS ID 10001 **Product Identifier** UIC NE-002F **Product Name** Surfactant

	cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to extinguish.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Dispose	Dispose of contents/container in accordance with local/regional/national/international regulations.
HNOC	Static accumulating flammable liquid can become electrostatically charged even in bo
Supplimental Information	None.

3 Composition/information on ingredients

Mixtures

Chemical Name	Common Name Synonym	CAS Number	%
Alcohols Ethoxylated		Confidential	25 - 40
Methanol		67-56-1	15 - 35
Other components below rep			40 - 50

4 First-aid measures

Inhalation	Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed.
Skin Contact	Immediately flush skin with plenty of water. Remove contaminated clothing, including shoes, after flushing has begun. Get medical attention if irritation develops and persists. Thoroughly wash (or discard) clothing and shoes before reuse.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Call a POISON CENTER or doctor/physician if you feel unwell. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without medical advice. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
Important. Symptoms	Skin irritation. Causes serious eye damage. Toxic effects.
Medical Attention	Symptoms may be delayed.
General Information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance.



Safety Data Sheet

SDS ID 10001 Product Identifier UIC NE-002F Product Name Surfactant

5 Fire-fighting measures

Suitable extinguishing media	Water fog. Carbon dioxide (CO ₂). Alcohol resistant foam. Dry chemical powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire. Do not use a solid water stream as it may scatter and spread fire.
Specific hazard arising from chemical	Fire may produce irritating, corrosive and/or toxic gases.
Special protective equipment precaution for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Firefighters should wear full protective clothing including self contained breathing apparatus. Structural firefighters protective clothing will only provide limited protection. Wear suitable protective equipment.
Fire-fighting Equipment /instructions	In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use standard firefighting procedures and consider the hazards of other involved materials. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.
Specific method	In the event of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Use water spray to cool unopened containers.
General fire hazards	Flammable liquid and vapor.

6 Accidental release measures



Safety Data Sheet

SDS ID 10001 Product Identifier UIC NE-002F Product Name Surfactant

Personal precautions, protective equipment & emergency procedures	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep out of low areas. Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back. Ensure adequate ventilation. Ventilate closed spaces before entering them.
Methods and materials for containment & cleaning up	<p>ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent entry into waterways, sewers, basements or confined areas.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean contaminated surface thoroughly.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.</p>
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.

7 Handling And Storage

Precautions for safe handling	<p>HANDLING: DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. All equipment used when handling the product must be grounded. Vapors may travel to a source of ignition and flash back. When using, do not eat, drink or smoke. Do not use in areas without adequate ventilation. Wash thoroughly after handling. Wear personal protective equipment. Avoid release to the environment. Do not empty into drains. Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not taste or swallow. Do not get on skin and clothing.</p>
Conditions for safe storage including any incompatibilities	<p>STORAGE: The pressure in sealed containers can increase under the influence of heat. Keep away from heat and sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a closed container away from incompatible materials. Keep away from food and drink. Store in a well-ventilated place. Keep container tightly closed. Store in accordance with local/regional/national/international regulation.</p>

8 Exposure controls/personal protection



Safety Data Sheet

SDS ID 10001 Product Identifier UIC NE-002F Product Name Surfactant

Occupational exposure limits		
US. ACGIH Threshold Limit Values		
Chemical Name	Common Name Synonym	CAS Number
Methanol (CAS 67-56-1)	TWA	200 ppm
Methanol (CAS 67-56-1)	STEL	250 ppm
US. OSHA Table Z-1 Limits for Air Contaminant		
Chemical Name	Common Name Synonym	CAS Number
Methanol (CAS 67-56-1)	PEL	260 mg/m3
US - California OELs: Skin designation		
Methanol (CAS 67-56-1)		Can be absorbed th
US - Minnesota Haz Subs: Skin designation ap		
Methanol (CAS 67-56-1)		Skin designation ap
Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Eye wash fountain and emergency showers are recommended.	
Individual protection measures, such as personal protective equipment		
Eye/face protection	Avoid contact with eyes. Wear safety glasses with side shields (or goggles) and a face shield.	
Hand protection	Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.	
Skin protection	Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Avoid contact with the skin. Wear suitable protective clothing. Normal work clothing (long sleeved shirts and long pants) is recommended. Closed-toe shoes recommended.	
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.	
Thermal hazards	Not available.	
General hygiene considerations	When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.	



Safety Data Sheet

SDS ID 10001 Product Identifier UIC NE-002F Product Name Surfactant

9 Physical and Chemical properties

Appearance	Clear - Hazy Liquid.
Physical state	Liquid.
Form	Liquid.
Color	Water white to Yellow.
Odor	Alcohol.
Odor Threshold	Not available.
pH	5.5 - 8.5
Melting / freezing point	Not available.
Initial boiling point & boiling range	298.4 °F (148 °C)
Flash poin	85.0 °F (29.4 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility	Soluble
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosit	Not available.
Other information	
Density	8.00 - 8.25 lbs/gal
Shelflife	2 yrs
Specificgravity	0.85 - 0.99

10 Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
-------------------	---



Safety Data Sheet

SDS ID 10001 **Product Identifier** UIC NE-002F **Product Name** Surfactant

Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products	Irritants. Toxic gas. May include oxides of carbon. Formaldehyde.

11 Toxicological information

Information on likely routes of exposure

Ingestion	Harmful if swallowed.
Inhalation	Toxic if inhaled.
Skin Contact	Toxic in contact with skin. Causes skin irritation.
Eye Contact	Causes serious eye damage.

Symptoms related to the physical, chemical & toxicological characteristics Skin irritation. Causes serious eye damage.

Information on toxicological effects

Acute toxicity Methanol is significantly less toxic to animals because they metabolize it differently. Non-primate species do not ordinarily show symptoms of metabolic acidosis or the visual effects which have been observed in primates and humans.

Component	Acute	Species	Test_Results
Methanol (67-56-1)	Oral LD50	Rat	5628 mg/kg
	Inhalation LC50	Rat	87.5 mg/l, 6 Hours
	Dermal LD50	Rabbit	15800 mg/kg

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization Not classified.

Skin sensitization Not classified.

Germ cell mutagenicity Not classified.

Carcinogenicity Not classified.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

Reproductive toxicity Not classified.

Specific target organ toxicity - single exposure Causes damage to organs. Central nervous system. Optic nerves.



Safety Data Sheet

SDS ID 10001 Product Identifier UIC NE-002F Product Name Surfactant

Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not classified.
Chronic effects	Prolonged and repeated exposure to high vapor concentrations, skin absorption or ingestion of methanol may result in visual disturbances, metabolic acidosis, headache, giddiness, nausea, insomnia, gastric disturbance, dizziness and slow breathing. There have been severe cases reported of blindness, coma and death due to the ingestion of methanol.

12 Ecological information

Ecotoxicity Components		
Methanol (67-56-1)		
Aquatic	Species	Test Results
Fish LC50	Fathead minnow (Pimephales promelas)	> 10000 mg/l, 48 hours
Fish LC50	Fish	28100 mg/L, 96 Hours
Crustacea EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Persistence & degradability	Not available.	
Bioaccumulative potential	Not available.	
Partition coefficient n-octanol / water (log)	Methanol -0.77	
Mobility in soil	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

13 Disposal Considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations. It is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets the criteria for hazardous waste.
Hazardous waste cod	D001: Waste Flammable material with a flash point <140 F
Waste from residues / unused products	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Empty containers should be sent to an approved waste handling site for recycling or disposal.

14 Transport information

General	DOT: This product contains Methyl Alcohol, Reportable Quantity (RQ) = 5000 pou
----------------	--



Safety Data Sheet

SDS ID 10001 Product Identifier UIC NE-002F Product Name Surfactant

DOT

UN Number UN1987
UN Shipping Name Alcohols, n.o.s. (Alcohols, C6-C12, ethoxylated, Methyl Alcohol)
Transport hazard class(es)
Class 3
Subsidiary Risk -
Labels 3
Packing Group III
Special Precaution User Read safety instructions, SDS and emergency procedures before handling.
Special Provision 172, B1, IB3, T4, TP1, TP29
Packing Exception 4b, 150
Packing Non Bulk 203
Packing Bulk 242

TDG

UN Number UN1987
UN Shipping Name ALCOHOLS, N.O.S. (Alcohols, C6-C12, ethoxylated, Methyl Alcohol)
Class 3
Subsidiary Risk -
Labels -
Packing Group III

IATA

UN Number UN1987
UN Shipping Name Alcohols, n.o.s. (Alcohols, C6-C12, ethoxylated, Methyl Alcohol)
Class 3
Subsidiary Risk -
Labels
Packing Group III
Environmental Hazards No
ERG Code 3L

Other information

Passenger & Cargo aircraft Allowed
Cargo aircraft only Allowed

IMDG

UN Number UN1987
UN Shipping Name: ALCOHOLS, N.O.S. (Alcohols, C6-C12, ethoxylated, Methyl Alcohol)
Class 3
Subsidiary Risk -
Packing Group III

Safety Data Sheet

SDS ID 10001 Product Identifier UIC NE-002F Product Name Surfactant

Environmental Hazards	No		
EmS	F-E, S-D		
DOT		IATA; IMDG; TD	

15 Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Methanol (CAS 67-56-1) --- Listed.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Methanol (CAS 67-56-1)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

16 Other information

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.
THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.
Product and Company Identification: Product and Company Identification

Revision Information

Revision Date 15/11/2021
Revision Number 03