## **1 – PRODUCT IDENTIFICATION**

#### 2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE/MIXTURE: ..... Flammable Liquids (2) Acute Toxicity Oral (3) Acute Toxicity Dermal (3) Acute Toxicity Inhalation (3) Serious Eye Damage (1) Target Organ Toxicity- Single Exposure (1)



SIGNAL WORD:...... DANGER! HAZARD STATEMENT:...... Highly flammable liquid and vapour. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes serious eye

damage. Causes damage to organs.

#### PRECAUTIONARY STATEMENTS:

**RESPONSE:**..... In case of fire: Use dry sand, dry chemical or alcohol-resitant foam for extinction. IF SWALLOWED: Immediately call a

# Safety Data Sheet

POISON CENTER or doctor/physician Specific treatment (see First AID Section on this label). Rinse mouth IF ON SKIN: Wash with plenty of water and soap. Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention. IF exposed: Call a POISON CENTER or doctor/physician
<b>STORAGE:</b>
tightly closed.
DISPOSAL: Dispose of container and contents in accordance with local regulations.

# **3 – COMPOSITION / INFORMATION ON INGREDIENTS**

INGREDIENT Methanol Lauryl Dimethyl Amine Oxide **C.A.S. NUMBER** 67-56-1 1643-20-5

Percentages of ingredients are being withheld as trade secret information. This information will be disclosed as necessary to authorized individuals.

#### 4 – FIRST-AID MEASURES

BREATHING (INHALATION): .	. If victim shows signs of discomfort or irritation, remove to fresh air. If symptoms persist, get immediate medical attention.
SWALLOWING (INGESTION):	DO NOT INDUCE VOMITING! Drink a large quantity of water or milk. Do not attempt to give liquids to an unconscious person. Get immediate medical attention!
EYES:	. Flush eyes with a large quantity of fresh water for at least 15 minutes. Apply ice compresses and GET IMMEDIATE EMERGENCY MEDICAL ATTENTION by an eye specialist. It
SKIN (DERMAL):	may be necessary to take victim to a hospital emergency room. Flush from skin and clothing with large amounts of fresh water. If irritation persists, consult physician. Wash contaminated clothing before wearing.

## **5 – FIRE-FIGHTING MEASURES**

# Safety Data Sheet

EXTINGUISHING MEDIA:......... Water fog or fine spray. Carbon dioxide, Dry chemical or Alcohol resistant foam.

SPECIAL FIRE FIGHTING PROCEDURES: .....Firefighters working in areas where this product is present should be equipped with an approved, fully enclosed SCBA.

UNUSUAL FIRE AND EXPLOSION HAZARDS:......None known.

#### 6 - ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: ...... Dike to prevent spillage into streams or sewer systems. Consult local, state and federal authorities.

WASTE DISPOSAL: ..... As recommended by local, state and federal authorities.

#### 7 – HANDLING and STORAGE

freezing. HANDLING: ..... Flammable! Ground and bond all containers when handling. Use non-sparking tools. Do not place this product in an unmarked container! Keep away from children! Spilled material is slippery. ATTENTION: Empty containers retain vapor and product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition. Do not reuse empty container.

#### **8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**RESPIRATORY PROTECTION:**Not usually needed in well-ventilated areas. If needed, use a NIOSH approved respirator.

**PROTECTIVE CLOTHING:.....** Nitrile or PVC gloves, and chemical splash goggles. ADDITIONAL MEASURES: ...... Flammable! Ground and bond all containers when handling. Use non-sparking tools. Do not place this product in an unmarked container! Keep away from children! Spilled material is slippery. ATTENTION: Empty containers retain vapor and product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition. Do not reuse empty container.

INGREDIENT	C.A.S. NUMBER	PEL
Methanol	67-56-1	200 ppm PEL, 250 ppm STEI
Lauryl Dimethyl Amine Oxide	1643-20-5	No limits established

# 9 – PHYSICAL / CHEMICAL PROPERITES

<b>APPEARANCE &amp; ODOR:</b> Blue transparent liquid, with an alcoholic odor.
ODOR THRESHOLD:N/A
<b>pH</b> :N/A
MELTING POINT:
FREEZING POINT:N/A
BOILING POINT: 148 degrees F.
BOILING POINT RANGE: N/A
FLASHPOINT:
EVAPORATION RATE:N/A
FLAMMABILITY (solid/gas): N/A
EXPLOSION LIMITS:N/A
VAPOR PRESSURE:
SPECIFIC GRAVITY: 0.79
SOLUBILITY IN WATER: Completely soluble.
PARTITION COEFFICIENT: N/A
AUTO-IGNITION TEMPERATURE:N/A
DECOMPOSITION TEMPERATURE:N/A
VISCOSITY: Water thin

## 10 – STABILITY and REACTIVITY

# 11 – TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY: ..... Inhalation, skin absorption, or ingestion.

LISTED CARCINOGEN: ..... None over 0.1%.

**MEDICAL CONDITION AGGRAVATED:**......May aggravate pre-existing dermatitis. **INHALATION:**.....Inhalation of significant amounts of this product can cause headaches, dizziness, confusion or nausea. Can also cause loss of consciousness or death. Use only in well ventilated areas.

**EYES:** ...... Undiluted product will cause burns or eye irritation, or possibly permanent damage.

SKIN (DERMAL): ...... This product may cause irritation or redness of the skin.

ACUTE TOXICITY (ORAL):....LDLO Oral - Human - 143 mg/kg

ACUTE TOXICITY (DERMAL):....LD50 Dermal - Rabbit - 17,100 mg/kg

ACUTE TOXCITY (INHALATION): .....LC50 Inhalation - Rat - 4 h - 128.2 mg/l

# 12 – ECOLOGICAL INFORMATION

#### ENVIRONMENTAL FATE AND DISTRIBUTION: N/A

# **Safety Data Sheet**

## **13 – DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL: ..... As recommended by local, state and federal authorities.

#### **14 – TRANSPORTATION INFORMATION**

DOT:

# SEA (IMDG) TRANSPORT DOCUMENT DECLARATION: UN 1230, METHANOL, Class 3 (6.1), PG II, (11°C c.c.)

## 15 - REGULATIONS

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

#### **16 – OTHER INFORMATION**