# **1 – PRODUCT IDENTIFICATION**

#### 2 – HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE/MIXTURE:..... Flammable Liquids (3) Eye Irritation (2A)





SIGNAL WORD:..... HAZARD STATEMENT:..... Flammable liquid and vapour. Causes serious eye irritation **PRECAUTIONARY STATEMENTS: PREVENTION:** 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/light/.../equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eve protection/face protection. Wash hands thoroughly after handling. RESPONSE:..... In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. If eye irritation persists get medical advice/attention. STORAGE: ...... Store in a well ventilated place. Keep cool. DISPOSAL: ..... Dispose of container and contents in accordance with local regulations.

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

#### INGREDIENT

Water Isopropyl Alcohol 2-Butoxy Ethanol

#### C.A.S. NUMBER

7732-18-5 67-63-0 111-76-2

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. If irritation persists, consult a physician.
SKIN (DERMAL):	. 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**

FLASHPOINT:	<b>.</b> 109°F, 43°C c.c.
EXTINGUISHING MEDIA:	Water fog or fine spray. Carbon dioxide, Dry chemical or Alcohol
	resistant foam.
SPECIAL FIRE FIGHTING PRO	CEDURES:Firefighters working in areas where this
	product is present should be equipped with an approved, fully
	enclosed SCBA.
UNUSUAL FIRE AND EXPLOS	ION HAZARDS:None known.

### 6 - ACCIDENTAL RELEASE MEASURES

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

# 7 – HANDLING and STORAGE

STORAGE:	. Store in a cool, well ventilated area. Avoid overheating or
	freezing.
HANDLING:	. Under normal use according to label instructions, special
	protection should not be necessary. Wear eye protection if

# **Safety Data Sheet**

product is likely to splash.Do not place this product in an unmarked container! Keep away from children! Spilled material is slippery.

## 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: ..... Under normal use according to label instructions, special protection should not be necessary. Wear eye protection if product is likely to splash.Do not place this product in an unmarked container! Keep away from children! Spilled material is slippery.

INGREDIENT	C.A.5. NUMBER	PEL
Water	7732-18-5	No limits established
Isopropyl Alcohol	67-63-0	400 ppm, 500 ppm STEL
2-Butoxy Ethanol	111-76-2	20 ppm TLV, 25 ppm PEL

# 9 – PHYSICAL / CHEMICAL PROPERITES

APPEARANCE & ODOR: ...... Blue transparent liquid, slight solvent odor.

ODOR THRESHOLD:N/A
<b>pH:</b> 6.5-7.5
MELTING POINT:N/A
FREEZING POINT: N/A
BOILING POINT: 210 degrees F.
BOILING POINT RANGE:N/A
FLASHPOINT: 109°F, 43°C c.c.
EVAPORATION RATE:N/A
FLAMMABILITY (solid/gas): N/A
EXPLOSION LIMITS:N/A
VAPOR PRESSURE: N/A
VAPOR DENSITY (AIR=1): Greater than 1.
SPECIFIC GRAVITY: 1.0
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

**STABILITY:** ......... Stable under normal conditions. **HAZARDOUS DECOMP.:** ........ This product not known to polymerize.

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**INCOMPATIBILITY:** Avoid strong oxidizers. Avoid heat, sparks or open flames.

## **11 – TOXICOLOGICAL INFORMATION**

\*Determined using the additivity formula for mixtures (GHS Purple Book, 3.1.3.6)

### 12 – ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE AND DISTRIBUTION: N/A

#### **13 – DISPOSAL CONSIDERATIONS**

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

### 14 – TRANSPORTATION INFORMATION

DOT CODE PROPER SHIPPING NAME:..... Not D.O.T. regulated. HAZARD CLASS:..... UN/NA NUMBER: ..... PACKAGING GROUP :.....

IMDG CODE PROPER SHIPPING NAME :.....FLAMMABLE LIQUID n.o.s. TECHNICAL NAME :.....Isopropyl Alcohol HAZARD CLASS :......3 UN NUMBER :.....UN1993 PACKAGING GROUP :.....III

**SEA (IMDG) TRANSPORT DOCUMENT DECLARATION:** UN 1993, Flammable liquid, N.O.S. (Isopropyl Alcohol), 3, PG III, FP 43 C c.c.

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# **15 - REGULATIONS**

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

# **16 – OTHER INFORMATION**