

Safety Data Sheet
RELEASE WITH OXYBREAK

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Hydrogen Peroxide	5-10	7722-84-1	231-633-2	Ox Liq Cat 1, Skin Corr Cat 1A Acute Tox Oral Cat 4, Acute Tox Inhal Cat 4
Dipropylene Glycol Methyl Ether	1-5	34590-94-8	262-104-2	Eye Irrit: Cat 2B, Combustible Liq Cat 4
Propylene Glycol Butyl Ether	1-5	5131-66-8 & 15821-83-7	225-878-4	Skin Irrit. Cat 2, Eye Irrit. Cat 2A, Combustible Liq Cat 3
Aminotrimethylene Phosphonic Acid	1-5	6419-19-8	229-146-5	Metal Corr Cat 1, Eye Irrit Cat 2
Acrylate Copolymer(s)	10-20	Trade Secret	Trade Secret	Eye Irrit Cat 2A

Ox = Oxidizer, Liq = Liquid, Cat = Category, Tox = Toxic, Inhal = Inhalation, Corr = Corrosive, Irrit = Irritation
(Also contains non hazardous biodegradable surfactant)

SECTION 4 – FIRST AID MEASURES

EYE CONTACT:.....Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Get immediate medical attention. Do not apply neutralizing agents.

SKIN CONTACT:.....Remove contaminated clothing and shoes immediately. Wash affected skin area with soap and water. Delayed skin damage is possible if product is not completely washed off. Get immediate medical attention.

SWALLOWING (INGESTION):If ingested, dilute swallowed material by drinking water. **DO NOT INDUCE VOMITING.** Immediately call Poison Control Center. Take container or container label to the doctor or hospital. Never give anything by mouth to an unconscious person.

INHALATION:Remove to fresh air.

OTHER INSTRUCTIONS:Use personal protective equipment. Avoid contact with skin, eyes and clothing.

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:Use extinguishing media for surrounding fires. All extinguishing media is allowed.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS: In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area. Cool tanks/drums with water spray. Dilute toxic gasses with water spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:May react with strong oxidizers and strong reducers. Reacts with chlorine compounds to product toxic gas.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: ...Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.

ENVIRONMENTAL PRECAUTIONS:...Keep spilled material away from sewage/drainage systems and waterways.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate absorbent material such as clay or vermiculite. Place waste in an appropriate container

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for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Use with adequate ventilation. Wear proper protective equipment. Do not mix with other compounds to prevent a potentially violent reaction.

CONDITIONS FOR SAFE STORAGE: Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV (THRESHOLD LIMIT VALUE): The TLV in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	USA OSHA PEL – TWA	USA ACGIH TWA	USA ACGIH – STEL
Hydrogen Peroxide	1.4 mg/m ³	1.4mg/m ³	1.4mg/m ³
Dipropylene Glycol Methyl Ether	100 ppm	100 ppm	150 ppm
Propylene Glycol Butyl Ether	Not Established	Not Established	Not Established
Aminotrimethylene Phosphonic Acid	Not Established	Not Established	Not Established
Acrylate Copolymer(s)	Not Established	Not Established	Not Established

EYE PROTECTION: Wear chemical splash goggles or safety glasses.

SKIN PROTECTION: Minimize contact with product. Wear suitable long-sleeved clothing.

RESPIRATORY PROTECTION: In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.

VENTILATION: Ensure adequate ventilation.

ADDITIONAL MEASURES: Emergency eyewash and safety shower facilities should be available in the immediate work area.

REQUIRED WORK/HYGIENE: Wash hands thoroughly after handling. Keep away from all food stuffs, beverages and feed. Do not eat, drink or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear colorless liquid with mild odor.

ODOR: Mild odor.

ODOR THRESHOLD: Not Available

pH: < 2.0 as is

MELTING POINT/FREEZING POINT: Not available

BOILING POINT: Not available

FLASHPOINT: Not applicable

EVAPORATION RATE: Not Available

FLAMMABILITY: Non flammable, non combustible

LOWER FLAMMABILITY LIMIT: Not applicable

UPPER FLAMMABILITY LIMIT: Not applicable

VAPOR PRESSURE: Not Available

VAPOR DENSITY (AIR=1): Not determined

RELATIVE DENSITY: 1.05

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SOLUBILITY IN WATER:Soluble in water
PARTITION COEFFICIENT n-OCTANOL/WATER: Not Available
AUTOIGNITION TEMPERATURE:.....Not Available
DECOMPOSITION TEMPERATURE: .Not Available

SECTION 10 – STABILITY AND REACTIVITY

STABILITY:.....Stable under recommended storage conditions.
HAZARDOUS CONDITIONS TO AVOID: Avoid direct sunlight, extremely high or low temperatures.
INCOMPATIBLE MATERIALS:Chlorinated products such as bleach, alkaline materials, metals, metal powder, carbides, chlorates, fumigates, nitrates, picrates, strong oxidizers, reducing or combustible organic material. Hazardous gases are evolved on contact with chemicals such as chlorine bleach, cyanides, sulfides and carbides.
HAZARDOUS DECOMPOSITION PRODUCTS: Phosphorous oxides. Carbon monoxide. Carbon dioxide. Thermal decomposition generates: Corrosive vapors.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Hydrogen Peroxide:

TOXICITY TO ANIMALS:Acute oral toxicity (LD50): 6667 mg/kg (Mouse) (Calculated value for the mixture). Acute dermal toxicity (LD50): 6667 mg/kg, (pig) (Calculated value for the mixture).
CHRONIC EFFECTS ON HUMANS: ...**CARCINOGENIC EFFECTS:** Classified A3 (Proven for animal.) by ACGIH [Hydrogen Peroxide]. Classified 3 (Not classifiable for human.) by IARC [Hydrogen Peroxide].
UTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. [Hydrogen Peroxide]. Mutagenic for bacteria and/or yeast. [Hydrogen Peroxide]. Contains material which may cause damage to the following organs: blood, upper respiratory tract, skin, eyes, central nervous system (CNS).

TOXICOLOGICAL INFORMATION: ...Dipropylene Glycol Methyl Ether:

ACUTE TOXICITY:LD50 values: Oral LD50: 5152 mg/kg (rat). LC50 dermal and inhalation: Not listed. Eyes: Rabbit: Mild Irritation: 25 hours.
CARCINOGENICITY:No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.

TOXICOLOGICAL INFORMATION: ...Propylene Glycol Butyl Ether

ACUTE TOXICITY:LD 50 Rat: 2,200 mg/kg
ACUTE INHALATION TOXICITY:.....No data available
ACUTE DERMAL TOXICITY:LD 50 Rabbit: 3,100 mg/kg

TOXICOLOGICAL INFORMATION: ...Aminotrimethylene Phosphonic Acid

ACUTE TOXICITY:Not harmful to aquatic organisms (short term and long term exposure) ATMP can lead to growth inhibition in algae, but this effect is a consequence of the substance's complexation with essential nutrients and not of true toxicity.

TOXICOLOGICAL INFORMATION: ...Acrylic Copolymer

ACUTE TOXICITY:LD50 Oral (rat): 340mg/kg,
ACUTE EFFECTS:May cause significant irritation to the eyes. May cause significant irritation to the skin.
CARCINOGENICITY:No data available.
MUTAGENICITY:.....Not reported to produce mutagenic effects on humans.

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SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:Hydrogen Peroxide

AQUATIC TOXICITY:No relevant information available.

PERSISTENCE AND DEGRADABILITY: The products of biodegradation are less toxic than the product itself.

BIOACCUMULATIVE POTENTIAL:.....No relevant information available.

ECOLOGICAL INFORMATION:Dipropylene Glycol Methyl Ether:

ECOTOXICITY (aquatic and terrestrial, where available):

ACUTE FISH TOXICITY:.....LC50 / 96 hours Fathead Minnow - >10,000 mg/L

TOXICITY TO DAPHNIA:.....EC50 / 48 hours Water flea - 1,919 mg/L

PERSISTENCE and DEGRADABILITY: No data available

BIOACCUMULATIVE POTENTIAL:.....No data available

ECOLOGICAL INFORMATION:Propylene Glycol Butyl Ether

ECOTOXICITY: TOXICITY TO FISH: ...Propylene glycol butyl ether: no data available

TOXICITY TO DAPHNIA:.....Propylene glycol butyl ether: no data available

TOXICITY TO ALGAE:Propylene glycol butyl ether: no data available

TOXICITY TO BACTERIA:Propylene glycol butyl ether: no data available

ECOLOGICAL INFORMATION:Aminotrimethylene Phosphonic Acid

ECOTOXICITY:Not Available.

BIODEGRADATION:.....Neither readily nor inherently biodegradable Partially photodegradable over short time period.

BIOACCUMULATION POTENTIAL:....Not potentially bioaccumulative. (Log KOW = -3.35).

ECOLOGICAL EFFECTS:.....Acrylic Copolymer

ECOTOXICITY:This material may be harmful or fatal to contaminated plants or animals, especially if large volumes are released into the environments.

AQUATIC ECOTOXICITY:This product may be harmful or fatal to exposed aquatic life in low concentrations.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:.....This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.

SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER SHIPPING NAME: Non Hazardous

HAZARD CLASS AND LABEL:N/A

UN NUMBER:.....N/A

PACKAGING GROUP:.....N/A

EPA REPORTABLE QUANTITY (RQ): N/A

MARINE POLLUTANT:N/A

EMERGENCY RESPONSE GUIDE:N/A

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SECTION 15 – REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN:.....Not listed.

TSCA STATUS:The ingredients of this product are listed on TSCA inventory (40CFR 710.)

SARA SECTION 302:.....None

SARA SECTION 312:.....Acute health hazard.

SARA SECTION 313:.....Not listed

NFPA HEALTH:2

NFPA FLAMMABILITY:.....0

NFPA REACTIVITY:.....0



EUROPEAN UNION REGULATORY INFORMATION: Xi: Irritant

DSD/DPD RISK (R) PHRASES:.....R36/38: Irritating to eyes and skin. R25: Toxic if swallowed.

DSD/DPD SAFETY (S) PHRASES:.....S18: Handle and open containers with care.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39: Wear suitable gloves and eye/face protection.

S61: Avoid release to the environment.

S64: If swallowed, rinse mouth with water if victim is conscious.

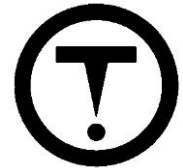
DSD/DPD HAZARD SYMBOL:.....C: Corrosive

CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY:Class D2B: Material causing other toxic effects (TOXIC).

DOMESTIC SUBSTANCES LIST (DSL): Listed

INGREDIENT DISCLOSURE LIST:Listed



SECTION 16 – OTHER INFORMATION

REFERENCES/DISCLAIMER:.....The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Wesmar Co. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

FOOT NOTES:N/A = Not Applicable

IMDG:International Maritime Code for Dangerous Goods

DOT:US Department of Transportation

IATA:International Air Transportation Association

ACGIH:American Conference of Governmental Industrial Hygienists

NFPA:National Fire Protection Association (USA)

HMIS:Hazardous Materials Identification System (USA)

LC50:Lethal concentration, 50 percent

LD50:Lethal dose, 50 percent

TOST:Target Organ Systemic Toxicity

DATE PREPARED:JAN 12, 2011

DATE REVISED:March 28, 2018