



SECTION 3 - HAZARDS IDENTIFICATION
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or explosion. Aspiration hazard. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. MAY ENTER LUNGS AND CAUSE DAMAGE.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Causes irritation, redness, and pain

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - INHALATION: INHALING LARGE QUANTITIES OF MIST OR VAPORS MAY CAUSE SOME IRRITATION TO NOSE, THROAT, LUNGS. Headache. Dizziness.

EFFECTS OF OVEREXPOSURE - INGESTION: This material may be harmful or fatal if swallowed. Aspiration hazard. Depression of the central nervous system can occur. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure may cause nervous system damage. Repeated contact with skin may irritate pre-existing skin conditions.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION  
INGESTION EYE CONTACT

SECTION 4 - FIRST AID MEASURES
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FIRST AID - EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Holding eyelids open, flush eyes with running water. Remove contact lenses if wearing and flush open eyes with running water for at least 15 minutes. Seek medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and large amounts of water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash contaminated clothing before re-use.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do NOT induce vomiting. Call

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SECTION 4 - FIRST AID MEASURES

physician immediately. If swallowed, call a physician or poison control center immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -26 C  
(SETAFLASH CLOSED CUP)

LOWER EXPLOSIVE LIMIT: 1.0 %  
UPPER EXPLOSIVE LIMIT: 12.0 %

AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA: ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixture with air. Vapors can travel to a source of ignition and flash back. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use recommended personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Do not flush into surface water or sanitary sewer system.

SECTION 7 - HANDLING AND STORAGE

AEROSOL LEVEL: 3

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SECTION 7 - HANDLING AND STORAGE
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HANDLING: Wash thoroughly after handling. Ensure all equipment is electrically grounded before beginning transfer operations.

STORAGE: Keep away from heat, sparks and flame. Keep from freezing. Keep container closed when not in use. KEEP OUT OF THE REACH OF CHILDREN!

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
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ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion-proof ventilation equipment.

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. 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. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Impervious gloves and chemical splash goggles should be used when handling liquid. Wear impervious protective clothing, including boots, gloves, protective apron or coveralls to prevent skin contact.

EYE PROTECTION: Wear safety glasses with side shields or goggles when using this product.

OTHER PROTECTIVE EQUIPMENT: STANDARD INDUSTRIAL CLOTHING STANDARDS SHOULD BE FOLLOWED.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
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BOILING RANGE	: 66 - 83 C	VAPOR DENSITY	: Is heavier than air
ODOR	: SOLVENT	ODOR THRESHOLD	: ND
APPEARANCE	: CLEAR	EVAPORATION RATE:	Is faster than Butyl Acetate
SOLUBILITY IN H2O	: NEGLIGIBLE		
FREEZE POINT	: ND	SPECIFIC GRAVITY:	0.7024
VAPOR PRESSURE	: ND	pH @ 0.0 %	: NA
PHYSICAL STATE	: AEROSOL	VISCOSITY	: ND
COEFFICIENT OF WATER/OIL DISTRIBUTION: ND			
VOLATILE ORGANIC COMPOUNDS (VOCS): 5.63 lbs/gal, 674 grams/ltr			

VOC, % (wt): 93.99%

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY
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CONDITIONS TO AVOID: AVOID OPEN FLAMES AND HIGH TEMPERATURES. Avoid contact with strong oxidizing agents. ALL SOURCES OF IGNITION, WELDING ARCS, AND OPEN FLAMES.

INCOMPATIBILITY: Strong mineral acids and strong oxidizing agents. Halogens.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, ALDEHYDES, HYDROCARBONS. SMOKE, FUMES, OXIDES OF CARBON, NITROGEN, SILICA, AND VARIOUS METAL OXIDES ARE POSSIBLE DECOMPOSITION PRODUCTS.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES
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PRODUCT LD50: 5045 mg/kg

PRODUCT LC50: 72600 ppm

COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME -----	----- LD50 -----	----- LC50 -----
HEXANES	12705 MG/KG/RAT	150000 MG/M3/MOUSE
ISOPROPYL ALCOHOL	5045 MG/KG/RAT	72600 MG/M3/RAT
CARBON DIOXIDE	NE	NE

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## SECTION 11 - TOXICOLOGICAL PROPERTIES

## SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: This material is expected to be readily biodegradable. Low toxicity to aquatic organisms such as bacteria, algae, protozoa and fish.

## SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

## SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY

DOT TECHNICAL NAME:

DOT HAZARD CLASS: ORM-D

HAZARD SUBCLASS:

DOT UN/NA NUMBER:

PACKING GROUP:

RESP. GUIDE PAGE:

DOT EXEMPTIONS:

DOT SPECIAL INSTRUCTIONS:

IMDG SHIPPING INFORMATION: UN1950

IMDG PROPER SHIPPING NAME: AEROSOLS

IMDG TECHNICAL NAME:

IMDG HAZARD CLASS: 2.1

HAZARD SUBCLASS:

PACKING GROUP:

FLASH POINT, C: -26

IMDG EXEMPTIONS: LIMITED QUANTITY

IMDG SPECIAL INSTRUCTIONS:

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SECTION 14 - TRANSPORTATION INFORMATION
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MARINE POLLUTANT (YES/NO): N

IATA SHIPPING INFORMATION: UN1950

IATA PROPER SHIPPING NAME: AEROSOLS, FLAMMABLE

IATA TECHNICAL NAME:

IATA HAZARD CLASS: 2.1

HAZARD SUBCLASS:

PACKING GROUP:

IATA EXEMPTIONS: LIMITED QUANTITY

IATA SPECIAL INSTRUCTIONS:

SECTION 15 - REGULATORY INFORMATION
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INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: A, B5, D2B

SECTION 16 - OTHER INFORMATION
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HMIS RATINGS - HEALTH: 2      FLAMMABILITY: 3      REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 10/30/09

REASON FOR REVISION: UPDATE PHYSICAL CHARACTERISTICS, AEROSOL LEVEL,  
TRANSPORTATION INFORMATION.

LEGEND: N.A. - Not Applicable, N.E. - Not Established,  
N.D. - Not Determined

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\*\*\* THIS MSDS IS NOT FOR REPRODUCTION OR DISTRIBUTION \*\*\*

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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<END OF MSDS>