

MATERIAL SAFETY DATA SHEET

Mousemilk Fuel Treatment

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **Mousemilk Fuel treatment**
CHEMICAL FAMILY NAME: Injector/Carburetor Cleaner
PRODUCT USE: Fuel Additive
U.N. DANGEROUS GOODS CLASS: See Section 14
SUPPLIER/MANUFACTURER'S NAME: Worldwide Filter, Inc.
ADDRESS: 1689 Abram Court
San Leandro, CA 94577 USA
BUSINESS PHONE: (510) 483-5122
EMERGENCY PHONE: (800) 535-5053 Infotrac Contact# 79544
WEB SITE: www.mousemilk.com
DATE OF PREPARATION: December 13, 2011
DATE OF LAST REVISION: New

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Product Description: This product is a colorless to light amber colored liquid with a sweet, pungent odor.
Health Hazards: Harmful if swallowed. Prolonged exposure can cause irritation to skin, eyes and respiratory tract.
Flammability Hazards: This product is a Flammable Liquid.
Reactivity Hazards: Negligible.
Environmental Hazards: This product has not been investigated for its environmental effects at this time.
Emergency Considerations: Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS



CANADA (WHMIS) SYMBOLS



EUROPEAN and
(GHS) Hazard Symbols



Signal Word: **Danger!**

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008

EC# 203-625-9 Annex 1 Index# 601-021-00-3

EC# 200-661-7 Annex 1 Index# 603-117-00-0

EC# 203-550-1 Annex 1 Index# 606-004-00-4

EC# 265-156-6 Annex 1 Index# 649-466-00-2 This product meets the EU requirement of having less than 3% DMSO extract.

According to European Directive 67/548/EEC.

Substances not listed either individually or in group entries must be self classified.

GHS Classifications:

Flammable Category 2

Reproductive Toxicity Category 1

Aspiration Toxicity Category 1

Skin Irritant Category 2

Eye Irritant Category 2

Acute Toxicity Category 4

STOT RE Category 2

STOT SE Category 3

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Label Elements:

Pictogram



Signal Word: **Danger!**

Hazard Statement(s):

H225: Highly flammable liquid and vapor

H304: May be fatal if swallowed and enters airways

H315: Causes skin irritation

H318: Causes serious eye damage

H319: Causes serious eye irritation

H332: Harmful if inhaled

H335: May cause respiratory irritation

H336: May cause drowsiness or dizziness

H361: Suspected of damaging fertility or the unborn child

H373: Causes damage to organs through prolonged or repeated exposure

Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking

P233: Keep container tightly closed

P243: Take precautionary measures against static discharge

P260: Do not breathe dust/fume/gas/mist/vapor/spray

P264: Wash skin after handling

P281: Use personal protective equipment as required

EU Hazard Classification Per Directive 1999/45/EC:

[F] FLAMMABLE, [T] TOXIC, [Xn] HARMFUL, [Xi] IRRITANT

Risk Phrases: R11: Highly flammable, R20: Harmful by inhalation, R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation, R36/37/38: Irritating to eyes, respiratory system and skin, R45: May cause cancer, R65: Harmful: may cause lung damage if swallowed, R66: Repeated exposure may cause skin dryness or cracking, R67: Vapors may cause dizziness or drowsiness.

Safety phrases: S16: Keep away from sources of ignition, S24/25: Avoid contact with skin and eyes, S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S45: In case of accident or if you feel unwell, seek medical attention immediately, S53: Avoid exposure.

HEALTH HAZARDS OR RISKS FROM EXPOSURE:

SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE

The most significant route of over-exposure for this product is by inhalation, skin contact and eye contact.

INHALATION: Vapors may be irritating to the respiratory tract.

SKIN: Repeated or prolonged contact may cause skin irritation.

EYE CONTACT: Contact may severe irritation to eyes, resulting in redness, watering and pain.

INGESTION: Ingestion may cause gastrointestinal irritation with nausea and diarrhea.

HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms. Over-exposure to this product may cause the following health effects:

ACUTE: Excessive exposure may result in eye, skin or respiratory irritation. Harmful if swallowed – possible aspiration hazard that could be fatal. Inhalation of vapors may cause dizziness or drowsiness.

CHRONIC: Skin Dermatitis

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SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Toluene	108-88-3	203-625-9	0078	65 – 75%	HAZARD CLASSIFICATION: [F]Flammable, Repr.Cat 3, [Xn] Harmful, [Xi] Irritant RISK PHRASES: R11, R63, R48/20, R65, R38, R67
Isopropyl 99	67-63-0	200-661-7	0554	10 – 20%	HAZARD CLASSIFICATION: [F]Flammable, [Xi] Irritant RISK PHRASES: R11, R36, R67
Methyl Isobutyl Ketone	108-10-1	203-550-1	0511	1 – 10%	HAZARD CLASSIFICATION: [F] Flammable, [Xn] Harmful, [Xi] Irritant RISK PHRASES: R11, R20, R36/37, R66
Distillates (petroleum), Severely Hydrotreated Light Naphthenic	64742-53-6	265-156-6	Not Listed	1 – 10%	HAZARD CLASSIFICATION: Carc. Cat 2, [T] TOXIC RISK PHRASES: R45
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard *JIS Z 7250: 2000*.
See Section 2 for full text of Ingredient Risk Phrases and Safety Phrases.

SECTION 4 - FIRST-AID MEASURES

INHALATION: If chemical is inhaled, or breathing is difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

SKIN: Wash contacted area with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek medical attention if irritation develops and persists.

EYE CONTACT: If chemical contacts the eyes, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Remove contact lenses, if worn. Seek medical attention if irritation persists.

INGESTION: If chemical is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of the label and MSDS with the victim to the health professional.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Skin, eye or respiratory disorders may be aggravated by prolonged overexposures to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT: >40°F (>4.44°C) Toluene

AUTOIGNITION TEMPERATURE: Not established

FLAMMABLE LIMITS (in air by volume, %): Lower (LEL): 1.1% Upper (UEL): 7.1%

FIRE EXTINGUISHING MATERIALS: Dry chemical, carbon dioxide, foam. Water spray may be used to keep fire exposed containers cool, dilute spills to non-flammable mixtures.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Above flash point, vapor air mixtures are explosive within flammable limits noted above. Vapor can flow along surfaces to distant ignition sources and flash back. Combustion products include carbon monoxide and carbon dioxide.

Explosion Sensitivity to Mechanical Impact: Not Sensitive.

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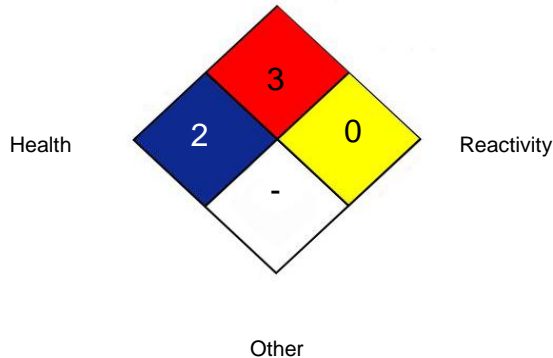
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Explosion Sensitivity to Static Discharge:
SPECIAL FIRE-FIGHTING PROCEDURES:

Sensitive.
Structural fire-fighters must wear Self-Contained Breathing Apparatus and full protective equipment.

NFPA RATING SYSTEM

Flammability



HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD (BLUE)	2		
FLAMMABILITY HAZARD (RED)	3		
PHYSICAL HAZARD (YELLOW)	0		
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect. 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate
3 = Serious 4 = Severe * = Chronic hazard

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE:

Evacuate unprotected personnel from the area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in section 8. Contain and recover liquid if possible. Use non-sparking tools and equipment. Cover or absorb spilled liquid with sand, earth or other inert material. Clean up spill immediately and place in appropriate containers. Do not discharge to sewers and surface waters. Notify authorities if entry occurs. Remove all sources of ignition.

Dispose of in accordance with applicable Federal, State, and local regulatory procedures

SECTION 7 - HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES:

As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Keep locked up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents

STORAGE AND HANDLING PRACTICES:

Store in a segregated and approved area (flammables area). Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Keep away from direct sunlight and heat and avoid all possible sources of ignition (spark or flame).

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

EXPOSURE LIMITS/GUIDELINES:

Based upon Above listed ingredients

Component Name	CAS Number	ACGIH TLV	OSHA PEL	NIOSH	WEEL
Toluene	108-88-3	20 ppm	200 ppm	100 ppm	50 ppm
Isopropyl 99	67-63-0	200 ppm	400 ppm	400 ppm	Not Listed
Methyl Isobutyl Ketone	108-10-1	50 ppm	100 ppm	50 ppm	Not Listed
Distillates (petroleum), Severely Hydrotreated Light Naphthenic	64742-53-6	5 mg/m ³	5 mg/m ³	5 mg/m ³	Not Listed

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Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation, and process enclosure if necessary, to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

RESPIRATORY PROTECTION:

A NIOSH approved air-purifying respirator equipped with organic vapor/acid gas cartridge. Use supplied air if hydrogen sulphide is present. Use supplied air respiratory protection if Oxygen levels are below 19.5%, or unknown, during emergency response to a release of this product. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces. Oxygen levels below 19.16.33% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998).

EYE PROTECTION:

Splash goggles or safety glasses with side shields recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION:

Compatible protective gloves recommended. Wash hands after removing gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION:

Use body protection appropriate for task. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

VAPOR DENSITY (AIR = 1):	3.2
BOILING POINT:	231 - 232°F
FREEZING/MELTING POINT (@ 10 psig):	Not Established
SPECIFIC GRAVITY (air = 1) @ 70°F (21.1°C):	0.725
pH:	Not Established
SOLUBILITY IN WATER:	Negligible
EVAPORATION RATE (nBuAc = 1):	1.9
ODOR THRESHOLD:	Mild
VAPOR PRESSURE:	22 mmHg @ 20°C
APPEARANCE, ODOR AND COLOR:	This product is a colorless to light amber colored liquid with a sweet, pungent odor.
VOC %	741 Grams per Liter

SECTION 10 - STABILITY and REACTIVITY

STABILITY:	Stable
DECOMPOSITION PRODUCTS:	When heated to decomposition, oxides of carbon and toxic fumes are emitted.
CONDITIONS TO AVOID:	Incompatible materials and ignition sources
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:	Oxidizing agents, acids and bases, alkali metals, aldehydes and halogens which can generate heat, fires, explosions and release toxic fumes.
HAZARDOUS POLYMERIZATION:	Will not occur.

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SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY DATA:

ACUTE ORAL TOXICITY:

Isopropyl 99 LD50= 5,045 mg/kg Rat
Methyl Isobutyl Ketone LD50 = 2,080 mg/kg Rat
Toluene LD50= 5,000 mg/kg Rat
Hydrotreated petroleum distillates LD50= >5,000 mg/kg Rat

ACUTE INHALATION TOXICITY:

Isopropyl 99 LC50= 15,000 ppm 8/Hr Rat
Methyl Isobutyl Ketone LC50 = 10,000 ppm 4/Hr Guinea pig
Toluene LC50 = 8,000 ppm 4/Hr Rat

SUSPECTED CANCER AGENT:

The components of these products are not listed as carcinogenic by National Toxicology Program, I.A.R.C. or OSHA tracking the carcinogenic potential of chemical compounds. CAS# 64742-53-6 is classified per EU Directive 67/548/EEC as a carcinogen, category 2, however this material meets the requirement of having less than 3% DMSO extract.

IRRITANCY OF PRODUCT:

This product may irritate skin, respiratory system and eyes

SENSITIZATION OF PRODUCT:

This product is not a sensitizer.

REPRODUCTIVE TOXICITY INFORMATION:

Listed below is information concerning the effects of this product on the human reproductive system. Mutagenicity: Has not been reported to cause mutagenic effects in humans. Embryotoxicity: Has not been reported to cause embryotoxic effects in humans. Teratogenicity: Has not been reported to cause teratogenic effects in humans. Reproductive Toxicity: Has not been reported to cause adverse reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generation lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

BIOLOGICAL EXPOSURE INDICES (BEIs):

Currently, Biological Exposure Indices (BEIs) have not been determined for this product.

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL FATE:

This product has not been investigated for its environmental effects at this time.

ENVIRONMENTAL TOXICITY:

In water this substance volatilizes and biodegrades. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70°F.

SECTION 13 - DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

RCRA WASTE CODE: D001, U161, U220

EU WASTE CODE: 13 07 03

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SECTION 14 - TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

THIS PRODUCT IS HAZARDOUS AS DEFINED BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Flammable Liquid, n.o.s. (Toluene, Isopropanol, Methyl Isobutyl Ketone)
HAZARD CLASS NUMBER and DESCRIPTION: Class 3 Flammable
UN IDENTIFICATION NUMBER: UN1993
PACKING GROUP: PGIII
DOT LABEL(S) REQUIRED: Flammable
MARINE POLLUTANT: This product is not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B).

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is classified as Dangerous Goods, by rules of IATA:

For Domestic Air this product may be shipped as an ORM-D in limited Quantities of less than 66 pounds.

For International Air shipments less than 1 pint this product can ship as Consumer Commodity, Class 9, ID8000

For International Air shipments larger than 1 pint this product must ship as Flammable Liquid, n.o.s., Class 3, PGIII

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is classified as Dangerous Goods by the International Maritime Organization.

For Ocean shipments this product must ship as a Flammable Liquid, n.o.s., Class 3 PGIII

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.

SECTION 15 - REGULATORY INFORMATION

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:
SARA 313 Reporting – Toluene CAS# 108-88-3 and Methyl Isobutyl Ketone CAS# 108-10-1

TSCA All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic Health: No Fire: Yes Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this gas. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Toluene CAS# 108-88-3 1,000 lbs., Methyl Isobutyl Ketone CAS# 108-10-1 5,000 lbs.

U.S. STATE REGULATORY INFORMATION: This product not listed.

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product does contain a component above the 0.1% level which is listed as a California Proposition 65 chemical.

WARNING! This product contains an ingredient that is known to the State of California to cause cancer or reproductive harm.

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CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: This product is classified as a Class B Division 2 Flammable Liquid and Class D Division 2B Materials having other toxic effects as per the Controlled Product Regulations

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008. See section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:

The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftliste List of Toxic Substances:	Listed
U.S. TSCA:	Listed

SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

MSDS Authoring Services

Disclaimer: The information in this MSDS relates to the product as sold, and to the best of our knowledge, such information is believed to be accurate and reliable at the time this document was prepared. However, no representation, warranty, or guarantee, either expressed or implied, is made as to its accuracy, reliability, or completeness. It is the responsibility of the user of this product to determine if this product is suitable for their intended purpose, to include both safety and regulatory perspectives.