

1 PRODUCT AND COMPANY IDENTIFICATION

Supplier Details: Chemline
5151 Natural Bridge Road
Saint Louis, MO 63115

Emergency: CHEMTREC 1-800-424-9300 (24 hr service)

Phone: 314-664-2230

Fax: 314-254-1355

Web: www.chemline.net

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1
Health, Reproductive toxicity, 1 B
Physical, Flammable Liquids, 2
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Physical, Flammable Liquids, 3
Health, Specific target organ toxicity - Single exposure, 3
Health, Acute toxicity, 4 Inhalation
Health, Acute toxicity, 4 Oral
Environmental, Hazards to the aquatic environment - Chronic, 3

GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H318 - Causes serious eye damage
H360 - May damage fertility or the unborn child
H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H226 - Flammable liquid and vapor
H336 - May cause drowsiness or dizziness
H332 - Harmful if inhaled
H302 - Harmful if swallowed
H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical/ventilating/light/equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.



- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P308+313 - IF exposed or concerned: Get medical advice/attention.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 - Rinse mouth.
- P370+378 - In case of fire: Use water, carbon dioxide, foam or dry chemical for extinction.
- P403+235 - Store in a well ventilated place. Keep cool.
- P501 - Dispose of contents/container to a licensed waste disposal services provider.

Hazards not otherwise classified (HNOC) or not covered by GHS

- Route of Entry:** Eyes; Ingestion; Inhalation; Skin;
- Target Organs:** Respiratory system; Skin; Eyes;
- Inhalation:** Acute: Moderate to severe irritant.
Chronic: Slightly toxic with repeated inhalation.
- Skin Contact:** Acute: Severe irritant, corrosion to tissue, possible skin burns.
Chronic: Causes burns to exposed tissue.
- Eye Contact:** Severe irritant. Chemical burn possible as well as possible tissue damage.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
110-43-0	5-20%	Methyl amyl ketone
123-86-4	5-20%	n-Butyl acetate
88230-35-7	1-5%	Hexanol, acetate, branched and linear
108-65-6	1-5%	2-Propanol, 1-methoxy-, acetate
100-41-4	.498%	Benzene, ethyl-

4 FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility immediately if breathing difficulties arise.
- Skin Contact:** Remove contaminated clothing immediately and flush with water for at least 15 minutes. Wash contaminated area with soap and water. For severe exposure, get under safety shower after removing clothing, then get medical attention. Wash clothing before reuse. Seek medical attention if redness, burning or an itching sensation develops or persists after the area is washed.
- Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Seek immediate medical attention.
- Ingestion:** Seek immediate medical attention. Remove stomach contents by gastric suction. Induce vomiting only as directed by medical personnel. Never give anything by mouth to unconscious person.

5 FIRE FIGHTING MEASURES

Flammability:	FLAMMABLE - CLASS 1C
Flash Point:	80°F (27°C)
Burning Rate:	N/A
Autoignition Temp:	NDA
LEL:	N/A
UEL:	N/A

Use dry chemical, foam, carbon dioxide, foam. USE WATER WITH CAUTION. Material will float and may ignite on surface of water. Use water spray to keep fire exposed containers cool. Water may be ineffective in fighting the fire. Burning will produce toxic fumes.

Protective Equipment: Positive-pressure self-contained breathing apparatus with full face-piece and full protective clothing should be worn by fire-fighters.

With excessive heat, cans will rupture from internal pressure and discharge flammable contents. Vapors may ignite explosively. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Prevent build up of vapors by opening all windows and doors to achieve cross-ventilation.

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ACCIDENTAL RELEASE MEASURES

Isolate and confine spill area. Remove with inert absorbant. Remove all sources of ignition sources like flames, heating elements, gas engines, etc. Use non-sparking tools. Emergency clean-up personnel should select the specific respirator based on contamination levels found. Use air purifying respirator equipped with full-face organic vapor cartridge if vapors are detected, or are irritating. In areas of high concentrations, fresh air-line respirators or self-contained breathing apparatus and protective clothing should be used. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.

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HANDLING AND STORAGE

Handling Precautions: Do not handle or use product until safety precautions recommended in this data sheet have been read and fully understood. Avoid skin and eye contact. Use personal protective equipment when transferring material to or from drums, totes or other containers. Do not smoke or use naked lights, open flames, space heaters, or other ignition sources near material. Use only with adequate ventilation. Avoid breathing vapor or mist.

Storage Requirements: Store in dry, cool area in tightly sealed, upright containers away from heat, sparks, flames and other sources of ignition.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: General/local ventilation typically control vapor levels adequately. Using in areas of poor ventilation requires respirator or self-contained breathing apparatus. Eyewash stations and safety showers should be easily accessible.

Personal Protective Equipment: Personal protective equipment

Eye protection: Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Splash contact: Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: 60 min
Material tested: Butoject (KCL 897 / Aldrich Z677647, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It

should not be construed as offering an approval for any specific use scenario.

Body Protection: Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: > 480 min Material tested: Butoject (KCL 897 / Aldrich Z677647, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 79 min Material tested: Camatril (KCL 730 / Aldrich Z677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methyl amyl ketone (110-43-0)

Components with workplace control parameters

TWA 50 ppm USA. ACGIH Threshold Limit Values (TLV)

Skin & eye irritation

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
465 mg/m³

The value in mg/m³ is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
465 mg/m³

TWA 100 ppm USA. NIOSH Recommended Exposure Limits
465 mg/m³

n-Butyl acetate (123-86-4)

Components with workplace control parameters

TWA 150 ppm USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation

STEL 200 ppm USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation

TWA 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
710 mg/m³

STEL 200 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
950 mg/m³

TWA 150 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1 Limits for Air Contaminants
710 mg/m³

The value in mg/m³ is approximate.



GATORHYDE MMP PRIMER (2105) PART B

TWA 150 ppm USA. NIOSH Recommended Exposure Limits
710 mg/m3

ST 200 ppm USA. NIOSH Recommended Exposure Limits
950 mg/m3

2-Propanol, 1-methoxy-, acetate (108-65-6)

Components with workplace control parameters

TWA 50 ppm USA. Workplace Environmental Exposure Levels
(WEEL)

Benzene, ethyl- (100-41-4) [.498%]

Components with workplace control parameters

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values
or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended
Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI
section) Confirmed animal carcinogen with unknown relevance to humans

STEL 125 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values
or notations enclosed are those for which changes are proposed in the NIC See Notice of Intended
Changes (NIC) Substances for which there is a Biological Exposure Index or Indices (see BEI
section) Confirmed animal carcinogen with unknown relevance to humans

TWA 100 ppm USA. NIOSH Recommended Exposure Limits
435 mg/m3

ST 125 ppm USA. NIOSH Recommended Exposure Limits
545 mg/m3

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
435 mg/m3 Limits for Air Contaminants
The value in mg/m3 is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
435 mg/m3 1910.1000

STEL 125 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
545 mg/m3 1910.1000

Methyl amyl ketone (110-43-0)

Components with workplace control parameters

TWA 50 ppm USA. ACGIH Threshold Limit Values
(TLV)

Skin & eye irritation

TWA 100 ppm USA. Occupational Exposure Limits
465 mg/m3 (OSHA) - Table Z-1 Limits for Air
Contaminants

The value in mg/m3 is approximate.



GATORHYDE MMP PRIMER (2105) PART B

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for
465 mg/m3 Air Contaminants - 1910.1000

TWA 100 ppm USA. NIOSH Recommended
465 mg/m3 Exposure Limits

n-Butyl acetate (123-86-4)

Components with workplace control parameters

TWA 150 ppm USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation

STEL 200 ppm USA. ACGIH Threshold Limit Values (TLV)
Eye & Upper Respiratory Tract irritation

TWA 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
710 mg/m3 1910.1000

STEL 200 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
950 mg/m3 1910.1000

TWA 150 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
710 mg/m3 Limits for Air Contaminants
The value in mg/m3 is approximate.

TWA 150 ppm USA. NIOSH Recommended Exposure Limits
710 mg/m3

ST 200 ppm USA. NIOSH Recommended Exposure Limits
950 mg/m3

2-Propanol, 1-methoxy-, acetate (108-65-6)

Components with workplace control parameters

TWA 50 ppm USA. Workplace Environmental Exposure Levels
(WEEL)

Benzene, ethyl- (100-41-4)

Components with workplace control parameters

TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)
Central Nervous System impairment Upper Respiratory Tract irritation Eye irritation Adopted values
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435 mg/m3

ST 125 ppm USA. NIOSH Recommended Exposure Limits
545 mg/m3

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z- 1
435 mg/m3 Limits for Air Contaminants
The value in mg/m3 is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -



	435 mg/m3	1910.1000
STEL	125 ppm 545 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pigmented liquid.	Molecular Formula:	N/A
Physical State:	Liquid	Percent Volatile:	51.81% by volume
Boiling Point:	Range: 244°F - 308°F	Flash Point:	80°F (27°C)
Flammability:	flammable	Vapor Density:	heavier than air
Evap. Rate:	slower than ether	VOC:	2.42% (lb/gal)

10 STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under normal conditions. Material can react violently with strong oxidizing agents, strong bases, and strong reducing agents.
Conditions to Avoid:	High temperatures, sparks, flame (fire, burning, welding).
Materials to Avoid:	Can react violently with strong oxidizing agents, strong bases, and strong reducing agents.
Hazardous Decomposition:	Fire, burning, and welding may generate carbon monoxide.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Methyl amyl ketone (110-43-0)

Information on toxicological effects

Acute toxicity:
LD50 Oral - rat - 1,670 mg/kg
Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: Skin - rabbit Result: Open irritation test - 24 h

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information:



RTECS: MJ5075000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated., Central nervous system depression
Stomach - Irregularities - Based on Human Evidence

n-Butyl acetate (123-86-4)

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 10,700 - 14,130 mg/kg

Inhalation LC50 LC50 Inhalation - rat - 4 h - > 21.0 mg/l

Dermal LD50 LD50 Dermal - rabbit - 17,600 mg/kg

Other information on acute toxicity no data available

Skin corrosion/irritation: Skin - rabbit - Skin irritation - 24 h

Serious eye damage/eye irritation: Eyes - rabbit - Moderate eye irritation

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: Developmental Toxicity - rat - Inhalation:

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Specific Developmental Abnormalities: Musculoskeletal system.

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Vapours may cause drowsiness and dizziness. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: Drowsiness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: AF7350000

2-Propanol, 1-methoxy-, acetate (108-65-6)

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 8,532 mg/kg



Inhalation LC50 no data available
Dermal LD50 Dermal - rabbit - > 5,000 mg/kg
Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - No skin irritation

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: Maximisation Test - guinea pig - Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):

no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: AI8925000

Benzene, ethyl- (100-41-4)

Information on toxicological effects

Acute toxicity:

Oral LD50 no data available

Inhalation LC50

Dermal LD50 Dermal - rabbit - 15,433 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Ethylbenzene)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):
no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: Central nervous system depression, Nausea, Headache, Vomiting, Ataxia., Tremors

Synergistic effects: no data available

Additional Information:

RTECS: DA0700000

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ECOLOGICAL INFORMATION

Methyl amyl ketone (110-43-0)

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 126 - 137 mg/l - 96 h.

Persistence and degradability: no data available

Ratio BOD/ThBOD 1.77 %

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

n-Butyl acetate (123-86-4)

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 100 mg/l - 96 h.

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 72.8 - 205.0 mg/l - 24 h.
and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life with long lasting effects.
no data available

2-Propanol, 1-methoxy-, acetate (108-65-6)

Information on ecological effects

Toxicity:

Toxicity to fish mortality LC50 - *Salmo gairdneri* - 100 - 180 mg/l - 96 h.

Method: OECD Test Guideline 203

Toxicity to daphnia Immobilization EC50 - *Daphnia magna* (Water flea) - > 500 mg/l - 48 h.

and other aquatic Method: Tested according to Annex V of Directive 67/548/EEC. invertebrates

Persistence and degradability: Biodegradability Biotic/Aerobic Result: 100 % - Readily biodegradable.

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: Biochemical Oxygen 0.36 mg/l Demand (BOD)

Chemical Oxygen 1.74 mg/g Demand (COD)

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Harmful to aquatic life.

Benzene, ethyl- (100-41-4)

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - *Cyprinodon variegatus* (sheepshead minnow) - 88.00 mg/l - 96 h.

LC50 - *Lepomis macrochirus* (Bluegill) - 80.00 mg/l - 96 h

NOEC - *Cyprinodon variegatus* (sheepshead minnow) - 88 mg/l - 96 h

LC50 - *Oncorhynchus mykiss* (rainbow trout) - 4.2 mg/l - 96 h

Toxicity to daphnia EC50 - *Daphnia magna* (Water flea) - 2.90 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

13 DISPOSAL CONSIDERATIONS

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

14 TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3

UN1263, Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base, 3, PGIII

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Methyl amyl ketone (110430) MASS, OSHAWAC, PA, TSCA, TXAIR

*n-Butyl acetate (123864), CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

16 OTHER INFORMATION

NFPA: Health = 3, Fire = 3, Reactivity = 1, Specific Hazard = None
 HMIS III: Health = 3, Fire = 3, Physical Hazard = 1



HMIS	
HEALTH	<input type="checkbox"/> 3
FLAMMABILITY	<input type="checkbox"/> 3
PHYSICAL HAZARD	<input type="checkbox"/> 1
PERSONAL PROTECTION	<input type="checkbox"/>

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).