

Safety Data Sheet
Methyl Isobutyl Carbinol

SECTION I - IDENTIFICATION



Transchem, Inc.
2141 Palomar Airport Rd. Suite 125
Carlsbad, CA 92011
(800) 783-2436
Chemtel Emergency Response :. (800) 255-3924

PRODUCT NUMBER: MIBC
PRODUCT NAMES: Methyl Isobutyl Carbinol
SYNONYMS: Methyl Amyl Alcohol
CAS NUMBER: 108-11-2
DATE PREPARED: 6/27/2013
REVISION NUMBER: 6/16/2015

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids	Category 3
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2B
Specific target organ toxicity, single exposure, R	Category 3

WARNING!

GHS LABEL:



Hazard Statements

H226	Flammable liquid and vapor
H315	Causes skin irritation
H320	Causes eye irritation
H335	May cause respiratory irritation

Safety Data Sheet
Methyl Isobutyl Carbinol

Precautionary Statements

- P210 Keep away from heat/sparks/open flames/hot surface - No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/light/equipment, etc.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+352 IF ON SKIN: Wash with soap and water.
- 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 cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
- P312 Call a POISON CENTER or a doctor/physician if you feel unwell.
- P332+313 If skin irritation occurs: get medical advice/attention.
- P337+313 If eye irritation persists get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- P370+378 In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
- P403+233 Store in a well ventilated place. Keep container tightly closed.
- P403+235 Store in a well ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container to an approved waste disposal plant.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
4-Methylpentan-2-ol	108-11-2	>=99%	25 ppm	25ppm

Safety Data Sheet
Methyl Isobutyl Carbinol

SECTION IV - FIRST AID MEASURES

Contact with eyes: Flush with water for 15 minutes. Seek immediate medical attention.

Skin contact: Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. Seek medical attention.

Inhalation: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus, if not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion: Give large quantities of water . Never give anything by mouth to an unconscious person.
Do not induce vomiting unless told to do so by medical personnel or a poison control center.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Water fog, foam, CO₂, dry chemical.

Special Fire Fighting Procedures Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

Unusual Fire Fighting Hazards: Do not use solid water stream/may spread fire.
Vapours are heavier than air and may accumulate in low areas and travel a considerable distance up to the source of ignition. Flash fire may occur.
USE WATER WITH CAUTION. Material will float and may ignite on surface of water.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.
Keep all sources of ignition and hot metal surfaces away from spill or release. Evacuate all unprotected personnel from the area.
Do not breathe fumes. Ensure free supply of fresh air in closed rooms.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

Safety Data Sheet
Methyl Isobutyl Carbinol

SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.
 - Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling. Vent container carefully before opening. Bond and ground all equipment when transferring from one vessel to another. The use of explosion-proof equipment is recommended. "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources. Keep containers tightly closed when not in use.
 - Avoid contact with oxidizing substances.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
4-Methylpentan-2-ol	108-11-2	25 ppm	25ppm

Engineering Controls: Adequate local or mechanical ventilation to reduce vapor or mist to below the PEL or TLV. Mechanical ventilation otherwise recommended if necessary. Emergency eye wash and shower stations.

Monitoring: Have eye wash stations and safety showers readily available.

Personal Protective Equipment (PPE)

Eye Protection: It is a good industrial hygiene practice to minimize eye contact. Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

Skin Protection: It is a good industrial hygiene practice to minimize skin contact. Impervious solvent resistant gloves. Impervious apron and work boots recommend where splashing may occur.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.

Safety Data Sheet
Methyl Isobutyl Carbinol

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless liquid
Odor	Mild
pH@25°C	-
Melting/Freezing Point	-90°C (-130°F)
Flashpoint	41°C (107.6°F)
Specific Gravity	0.808
Solubility	21.8 g/l @ 20°C
Auto-Ignition Temperature	335°C (635°F)
Decomposition Temperature	-
VOC Content	-
Odor Threshold	
Boiling Range	131°C (266°F)
Evaporation Point	0.26
Flammable Limits - Upper	5.5 Vol%
Flammable Limits - Lower	1 Vol%
Vapor Pressure	3.7 hPa @ 20°C
Vapor Density (Air=1)	3.52
Viscosity	4.074 mPa*s @ 25°C

SECTION X - STABILITY AND REACTIVITY

Stability: Stable, under normal conditions of storage and handling.

Conditions to Avoid: Sparks, fire, and extreme temperatures.

Hazardous Decomposition/Byproducts: Carbon monoxide & Carbon dioxide

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None

Safety Data Sheet
Methyl Isobutyl Carbinol

SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: May cause respiratory tract irritation. Inhalation of vapors may cause drowsiness and dizziness.

Can cause damage to nasal and respiratory passages.

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.

High vapor concentrations are irritating to the eyes.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

May produce CNS depression.

Toxicity:

Component Name	LD50	LC50
4-Methylpentan-2-ol	Oral LD50: 2590mg/kg, Dermal LD50: 2870 mg/kg	LC50 (4h): >16000 mg/m ³

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Acutely Toxic for Aquatic organisms.

Mobility: Information not available.

Degradability: Readily biodegradable

BioAccumulation: Information not available.

Safety Data Sheet
Methyl Isobutyl Carbinol

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Please dispose of in accordance to state and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Methyl Isobutyl Carbinol

Contains:

Hazard Class and Label: 3

Identification Number: UN 2053

Packaging Group: PGIII

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X		X		

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION

HMIS Health: 2

HMIS Flammability: 2

HMIS Reactivity: 0

Additional:

Safety Data Sheet
Methyl Isobutyl Carbinol

Specification Information

Department issuing data sheet: Compliance

Email address: compliance@transcheminc.com

Training necessary: Follow all Federal, State and local regulations.

Disclaimer:

Seller and manufacturer disclaim any implied or expressed warranties, including warranties of merchantability or fitness of this product for any particular purpose. In no event shall seller be liable for any claim for incidental or consequential damages arising out of or in connection with the sale, delivery, transportation or use of this product. Seller's and manufacturer's liability in all events is limited to, and shall not exceed the purchase price paid for this product.