SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product code: HP762
Product Name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

Other means of identification

Synonyms:
- 4-Methyl-2-pentanone
- Hexone
- Isobutyl methyl ketone
- Isopropyl acetone
- Isohexanone
- Ketone, isobutyl methyl
- MIBK
- MIK
- Methyl isobutyl ketone

CAS #: 108-10-1
RTECS #: SA9275000
Ci#: Not available

Recommended use of the chemical and restrictions on use

Uses advised against: No information available

Supplier: Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA  90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone number: Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Category</th>
</tr>
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<tbody>
<tr>
<td>Acute toxicity - Inhalation (Gases)</td>
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<tr>
<td>Acute toxicity - Inhalation (Vapors)</td>
<td>4</td>
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<tr>
<td>Acute toxicity - Inhalation (Dusts/Mists)</td>
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<tr>
<td>Skin corrosion/irritation</td>
<td>2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>2A</td>
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</table>

Product code: HP762
Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Carcinogenicity Category 2
Specific target organ toxicity (single exposure) Category 3
Specific target organ toxicity (repeated exposure) Category 2
Flammable liquids Category 2

Label elements

Danger

Hazard statements
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
Suspected of causing cancer
May cause respiratory irritation. May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
Highly flammable liquid and vapor

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
May be harmful if swallowed

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/ equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
In case of fire: Use CO2, dry chemical, or foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Product code: HP762
Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
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<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>108-10-1</td>
<td>100</td>
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</tbody>
</table>

### 4. FIRST AID MEASURES

**First aid measures**

**General Advice:** Poison information centers in each State capital city can provide additional assistance for scheduled poisons (13 1126). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention. If skin irritation persists, call a physician.

**Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention. If symptoms persist, call a physician.

**Inhalation:** Harmful by inhalation. Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Ingestion:** Harmful if swallowed. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

**Most important symptoms and effects, both acute and delayed**


**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically

**Protection of first-aiders**

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

### 5. FIRE-FIGHTING MEASURES

**Extinguishing Media**

**Product code:** HP762  **Product name:** METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO2). Water spray, mist, or foam.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon oxides

Specific hazards: Flammable. May be ignited by heat, sparks or flames. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Container explosion may occur under fire conditions or when heated. Fire may produce irritating, corrosive and/or toxic gases.

Special Protective Actions for Firefighters

Specific Methods: Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear personal protective equipment. Remove all sources of ignition. Pay attention to flashback. All equipment used when handling the product must be grounded. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment: Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up: Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Product code: HP762
Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
7. HANDLING AND STORAGE

Technical Measures/Precautions:
Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials. Keep away from open flames, hot surfaces and sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Safe Handling Advice
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Do not ingest. Keep away from heat and sources of ignition. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Store at room temperature in the original container. Store away from incompatible materials. Store in a segregated and approved area.

Incompatible Materials:

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

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<tr>
<th>Components</th>
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<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WHEEL</th>
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Canada

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<td>307 mg/m^3 STEL</td>
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<td>307 mg/m^3 STEV</td>
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Australia and Mexico

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<tr>
<td></td>
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<td>307 mg/m^3 STEL</td>
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</table>

Appropriate engineering controls

Engineering measures to reduce exposure:
Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Product code: HP762
Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Eye protection: Goggles.
Skin and body protection: Chemical resistant apron. Gloves. Long sleeved clothing.
Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.
Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Appearance: Clear.
Color: Colorless.
Taste: No information available
Formula: C6H12O
Molecular/Formula weight: 100.16 g/mol
Flammability: Highly Flammable
Flash point (°C): 14
Flashpoint (°C/°F): 14-18°C/57-64.4°F
Lower Explosion Limit (%): 8%
Upper Explosion Limit (%): 12%
Melting point/range(°C/°F): -84°C/-119.2°F
Boiling point/range(°C/°F): 114-118°C/237.2-244°F
Bulk density: No information available
Density (g/cm3): 0.801
Specific gravity: 0.799-0.8042
Evaporation rate: 5.6 (ether = 1)
Odor threshold (ppm): 0.1 ppm low
7.8 ppm high
VOC content (g/L): No information available
Miscibility: Miscible with Ethanol
Miscible with Acetone
Miscible with Ether
Miscible with Benzene
Miscible with many organic solvents
Partition coefficient (n-octanol/water): 1.31
Solubility: Slightly soluble in water
Soluble in Chloroform
Flash Point Tested according to: Closed cup
Autoignition Temperature (°C/°F): 448°C/838.4°F
Evaporation rate: 5.6 (ether = 1)
Vapor pressure @ 20°C (kPa): 2.1
Vapor density: 3.45
miscibility: Miscible with Ethanol
miscible with Acetone
miscible with Ether
miscible with Benzene
miscible with many organic solvents
Partition coefficient (n-octanol/water): 1.31
Solubility: Slightly soluble in water
Soluble in Chloroform

10. STABILITY AND REACTIVITY

Reactivity
Reacts violently with strong oxidizers, potassium tert-butoxide, strong acids, aliphatic amines, reducing agents
Ignites on contact with potassium tert-butoxide

Chemical stability
Stability: Stable under recommended storage conditions
Possibility of Hazardous Reactions: Hazardous polymerization does not occur
Conditions to avoid: Heat, flames and sparks.. Ignition sources. Incompatible materials.

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Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

Hazardous decomposition products: Carbon monoxide. Carbon dioxide.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Inhalation. Ingestion.

Acute Toxicity

Component Information

Methyl Isobutyl Ketone - 108-10-1

LD50/oral/rat = 2080 mg/kg Oral LD50 Rat
LD50/oral/mouse = 1900 mg/kg oral LD50 mouse
LD50/dermal/rat = No information available
LD50/dermal/rabbit = 3000 mg/kg (LOLI)
>16000 mg/kg (EU Chemicals Bureau IUCLID dataset)
LC50/inhalation/rat = 8.2 mg/L Inhalation LC50 Rat 4 h
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = 1600 mg/kg oral LD50 guinea pig

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 2080mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 1900mg/kg

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 3000mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = 8.2mg/l (4-hr)
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Product code: HP762  Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Symptoms

**Skin Contact:** May cause mild to moderate skin irritation. It may be absorbed through the skin.

**Eye Contact:** Causes moderate to severe eye irritation.

**Inhalation**
Harmful by inhalation. Causes respiratory tract irritation with sore throat and cough and respiratory depression. Causes eye irritation, conjunctive irritation, and lacrimation. May cause gastrointestinal pain, salivation, nausea, vomiting, diarrhea, and loss of appetite. May cause central nervous system effects (central nervous system depression - headache, dizziness, ataxia, weakness, somnolence, general anesthetic, fainting, unconsciousness, coma). It may affect the liver, brain (increased intracranial pressure), cardiovascular system (pulse rate).

**Ingestion**
May be harmful if swallowed. May cause abdominal pain. May affect blood (changes in serum composition). It may affect the liver (fatty liver degeneration). It may affect the spleen.

**Aspiration hazard**
No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Chronic Toxicity**
Prolonged or repeated skin contact may cause drying and flaking of the skin
Prolonged or repeated inhalation may cause loss of appetite
Prolonged or repeated ingestion may affect the kidneys
Prolonged or repeated ingestion may affect the behavior/central nervous system (convulsions)
Prolonged or repeated inhalation may affect the kidneys
Prolonged or repeated inhalation may affect the blood
Prolonged or repeated inhalation may affect the liver
Prolonged or repeated inhalation may affect the adrenal gland

**Sensitization:**
No information available

**Mutagenic Effects:**
No information available

**Carcinogenic effects:**

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<tr>
<th>Components</th>
<th>IARC</th>
<th>ACGIH - Carcinogens</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
<th>Australia - Notifiable Carcinogenic Substances</th>
<th>Australia - Prohibited Carcinogenic Substances</th>
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<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>Group 2B (Possibly Carcinogenic to Humans) - Monograph 101 [2013]</td>
<td>A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans</td>
<td>Not listed</td>
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</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
IARC (International Agency for Research on Cancer)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)

**Reproductive toxicity**
No data is available

**Reproductive Effects:**
No information available

**Product code:** HP762  **Product name:** METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure Respiratory Tract. central nervous system.
STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

*Methyl Isobutyl Ketone - 108-10-1*

Freshwater Algae Data: 400 mg/L EC50 Pseudokirchneriella subcapitata 96 h
Freshwater Fish Species Data: 496 - 514 mg/L LC50 Pimephales promelas 96 h flow-through 1
Water Flea Data: 170 mg/L EC50 Daphnia magna 48 h

Persistence and degradability: Readily biodegradable

Bioaccumulative potential: Potential for bioconcentration in aquatic organisms is low.

Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal. Do not re-use empty containers Dispose of as unused product.

<table>
<thead>
<tr>
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<td>U161 Ignitable waste</td>
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14. TRANSPORT INFORMATION

DOT

UN-No: UN1245
Proper Shipping Name: Methyl isobutyl ketone
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
ERG No: 127
Marine Pollutant: No data available

Product code: HP762 Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
## 14. TRANSPORT INFORMATION

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**Product name:** METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
14. TRANSPORT INFORMATION

Subsidiary Risk: No information available
Packing Group: II
ERG Code: 3L
Description: No information available

15. REGULATORY INFORMATION

International Inventories

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<th>Components</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS (2)-542</th>
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<th>Australia (AICS)</th>
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U.S. Regulations

*Methyl Isobutyl Ketone*

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 1268
New Jersey (EHS) List: 1268 500 lb TPQ
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Environmental hazard
Pennsylvania RTK - Environmental Hazard List: Present
Minnesota - Hazardous Substance List: Present
5000 lb RQ
1 lb RQ
Louisiana Reportable Quantity List for Pollutants: 1000 lb RQs listed in Louisiana Administrative Code, Title 33, Part 1, Subpart 2, Chapter 39, Subchapter E. Applies to unauthorized emissions based on total mass emitted into the atmosphere
5000 lb final RQs listed in 40 CFR 302.4 Table 302.4
2270 kg final RQs listed in 40 CFR 302.4 Table 302.4
California Directors List of Hazardous Substances: Present
FDA - Direct Food Additives: 21 CFR 172.515


Chemicals Known to the State of California to Cause Cancer:
WARNING: This product contains a chemical known to the State of California to cause cancer. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (See table below)

<table>
<thead>
<tr>
<th>Components</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>carcinogen</td>
<td>developmental toxicity</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

CERCLA/SARA

<table>
<thead>
<tr>
<th>Components</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>5000 lb final RQ 2270 kg final RQ</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>1.0 % de minimis concentration</td>
</tr>
</tbody>
</table>

U.S. TSCA

Product code: HP762
Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
<table>
<thead>
<tr>
<th>Components</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>Not Applicable</td>
<td>10/04/1982 10/04/1992</td>
</tr>
</tbody>
</table>

Canada

WHMIS hazard class:
B2 Flammable liquid
D2A Very toxic materials

Methyl Isobutyl Ketone
B2 D2A

Canada Controlled Products Regulation:
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

<table>
<thead>
<tr>
<th>Components</th>
<th>WHMIS Ingredient Disclosure List -</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>1 %</td>
</tr>
</tbody>
</table>

Inventory

<table>
<thead>
<tr>
<th>Components</th>
<th>Canada (DSL)</th>
<th>Canada (NDSL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>Present</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>CEPA Schedule I - Toxic Substances</th>
<th>CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>Present</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

EU Classification

R-phrase(s)
R11 - Highly flammable.
R20 - Harmful by inhalation.
R66 - Repeated exposure may cause skin dryness or cracking.
R36/37 - Irritating to eyes and respiratory system.

S -phrase(s)
S 2 - Keep out of the reach of children.
S 9 - Keep container in a well-ventilated place.
S16 - Keep away from sources of ignition - No smoking.
S29 - Do not empty into drains.

<table>
<thead>
<tr>
<th>Components</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl Isobutyl Ketone</td>
<td>F; R11 Xn; R20 Xi; R36/37 R66</td>
<td>No information</td>
<td>S2 S9 S16 S29</td>
</tr>
</tbody>
</table>

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Product code: HP762
Product name: METHYL ISOBUTYL KETONE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Indication of danger:
F - Highly flammable.
Xn - Harmful.
Xi - Irritant.

16. OTHER INFORMATION

Preparation Date: 8/27/2015
Revision Date: 8/27/2015
Prepared by: Sonia Owen

Disclaimer:
All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet