



5515 North Service Rd. #306  
Burlington, Ontario L7L 6G4

Phone: 905-337-7411  
Fax: 905-337-1686

megaloid.ca



## 1. PRODUCT IDENTIFICATION

**Name:** *Odourless Mineral Spirits*

**Synonyms:** *alkanes C9-11, isoparaffin C9-11, OMS*

**CAS#** 68551-16-6; alternate CAS# 64741-66-8 & 64742-48-9

**Product Uses:** *low-odour solvent naphtha*

**Supplier** *Megaloid Laboratories Limited*  
**Identifier:** *5515 North Service Road, Suite 306, Burlington, ON L7L 6G4*  
*Phone: 905-337-7411 / Fax: 905-337-1686*

**EMERGENCY INFORMATION:** **Call CHEMTREC @ (800) 424-9300 (CCN # 693764)**

## 2. HAZARDS

<b>GHS Class</b> <i>(category)</i>	<b>Flammable</b> <i>(3)</i>	<b>Skin irritant</b> <i>(2)</i>	<b>Central Nervous System</b> <i>(3)</i>	<b>Aspiration hazard</b> <i>(2)</i>	
<b>Signal Words</b>	<b>WARNING</b>				
<b>Hazard Statements</b>	<i>Flammable liquid &amp; vapour (H226)</i>	<i>Causes skin irritation (H315)</i>	<i>May cause drowsiness or dizziness (H336)</i>	<i>May be harmful if swallowed &amp; enters airways (H304)</i>	

### GHS Precautionary Statements for Labelling

#### **Prevention**

- P210** Keep away from heat, sparks, open flames, and hot surfaces. – No smoking.
- P233** Keep container tightly closed
- P240** Ground or bond container and receiving equipment.
- P241** Use explosion-proof electrical, ventilating and lighting equipment.
- P242** Use only non-sparking tools.
- P243** Take precautionary measures against static discharge.
- P264** Wash hands and skin thoroughly after handling.
- P280** Wear eye protection, protective gloves and clothing of butyl rubber

<b>Response</b>	
<b>P301, P310</b>	IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
<b>P303, P361, P353</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
<b>P331</b>	Do NOT induce vomiting.
<b>P332, P313</b>	If skin irritation occurs: Get medical advice or attention.
<b>Storage</b>	
<b>P405</b>	Store locked up.
<b>Disposal</b>	
<b>P501</b>	Dispose of contents and container in accordance with local, regional, national and international regulations.

### 3. COMPOSITION

Chemical Name:	CAS No.	%	Other Identifiers
<i>Alkanes, C9-11</i>	68551-16-6	100	EC# 271-365-3

### 4. FIRST AID

#### Inhalation

*Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.*

#### Skin Contact

*Wash with plenty of water. Remove contaminated clothing and do not reuse until thoroughly laundered.*

#### Eye Contact

*Wash eyes with plenty of water, holding eyelids open. Seek medical assistance if there is any irritation.*

#### Ingestion

*Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.*

#### **First-aid Comments**

*Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity substance. The stomach should only be emptied under medical supervision, and after the installation of an airway to protect the lungs.*

### 5. FIRE FIGHTING & FLAMMABILITY

#### Extinguishing Media

##### **Suitable Extinguishing Media**

*Foam, dry chemical, water fog, water spray only to cool & dilute, product floats on water - water jet spreads flames*

#### Combustion Products

*Carbon monoxide, nitrogen oxides, smoke, part oxidized hydrocarbon fragments. Readily accumulates a static charge on agitation or pumping which can cause ignition.*

#### Special Protective Equipment and Precautions for Fire-fighters

*Firefighters must wear SCBA.*

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

*Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area.*

### Environmental Precautions

*If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.*

### Methods and Materials for Containment and Cleaning Up

*Leak Precaution: dyke to control spillage and prevent environmental contamination  
Handling Spill: ventilate contaminated area; recover free liquid with suitable pumps; absorb residue on an inert sorbent, sweep & pick up using plastic or aluminium shovel, & store in closed containers for recycling or disposal*

### Other Information

*Report spills to local health, safety and environmental authorities, as required.*

## 7. HANDLING & STORAGE

### Precautions for Safe Handling

*Avoid creating or breathing product vapour. If vapour is created in use, install adequate exhaust ventilation. If dealing with a spill, and ventilation is impossible or impractical, wear a suitable respirator with organic vapour cartridge.*

*Never cut, drill, weld or grind on or near this container. Avoid prolonged contact with skin and wash work clothes frequently. An eye bath and safety shower must be available near the workplace.*

### Conditions for Safe Storage

*Store in a cool, dry environment, away from sources of ignition, heat, oxidising agents.*

*Although this product's flash point is high enough not to pose a flammability hazard, it is prudent to ground or electrically bond the source container, receiving container and transfer pump before transferring contents.*

*Avoid splashing by ensuring that the product nozzle is below the surface in the receiving container. Always ensure that containers, whether empty or full, are tightly sealed unless in use.*

## 8. EXPOSURE CONTROL & PERSONAL PROTECTION

**Ontario TWAEV** *not listed*  
**ACGIH TLV** *not listed*  
**OSHA PEL** *not listed*

**Ontario STEV** *not listed*  
**ACGIH STEL** *not listed*  
**OSHA STEL** *not listed*

<b>Ventilation</b>	<i>Mechanical ventilation is probably not required to control airborne titre</i>
<b>Hands</b>	<i>Nitrile or "Viton" gloves recommended – other types may also protect; consult supplier to confirm suitability</i>
<b>Eyes</b>	<i>Safety glasses with side shields – always protect the eyes</i>
<b>Clothing</b>	<i>No special protective clothing unless splashing is likely; then wear nitrile or "Viton" boots &amp; apron</i>

## 9. PHYSICAL PROPERTIES

<b>Appearance</b>	<i>Clear colourless liquid.</i>
<b>Odour</b>	<i>slight odour</i>
<b>Odour threshold</b>	<i>not known – very slight odour</i>
<b>pH</b>	<i>none – (does not liberate hydrogen ions when dissolved)</i>
<b>Melting Point/Freezing Point</b>	<i>not known – likely to be below -30oC / -22oF</i>
<b>Initial Boiling Point/Range</b>	<i>178-188oC / 352-370oF</i>
<b>Flash Point</b>	<i>48oC / 118oF (closed cup)</i>
<b>Evaporation Rate (Butyl Acetate =1)</b>	<i>3 – similar to regular mineral spirits</i>
<b>Flammability ( Solid, Gas)</b>	<i>Not Available</i>
<b>Upper/Lower Flammability or Explosive Limit</b>	<i>0.7% – 6%</i>
<b>Vapour Pressure</b>	<i>1mmHg at 20°C (68°F)– similar to regular mineral spirits</i>
<b>Vapour Density (air = 1)</b>	<i>3</i>
<b>Relative Density (water = 1)</b>	<i>0.76 at 15.6°C(60.1°F)</i>
<b>Water solubility</b>	<i>virtually nil (Also soluble in most organic solvents, limited solubility in glycols and methanol)</i>
<b>Partition Coefficient, n-Octanol/Water (Log Kow)</b>	<i>Not known</i>
<b>Viscosity</b>	<i>&lt; 1 centipoise (25°C / 77oF)</i>
<b>Physical State</b>	<i>Liquid</i>
<b>Molecular Weight</b>	<i>58 grams per mole</i>

## 10. REACTIVITY

### Reactivity

*Dangerously reactive with strong oxidizing agents.*

### Chemical Stability

*Stable; will not polymerize.*

### Possibility of Hazardous Reactions

*Decomposition products - none apart from Hazardous Combustion Products.*

### Sensitive to Mechanical Impact

*No*

## 11. TOXICITY

*Prolonged exposure may cause dermatitis; due to removal of protective skin oils.*

Acute Toxicity	
<b>LD<sub>50</sub> (oral)</b>	34,600mg/kg (rat), >5000mg/kg (rat) – no mortality reported in 5/5 tests
<b>LD<sub>50</sub> (skin)</b>	15,400mg/kg (rabbit), >2000mg/kg (rabbit) – no mortality reported in 5/5 tests
<b>LC<sub>50</sub> (inhalation)</b>	12,400mg/m <sup>3</sup> (rat), >5430mg/m <sup>3</sup> (rat) – no mortality reported in 5/5 tests

### Skin Corrosion/Irritation

*Irritating if contact is prolonged.*

### Serious Eye Damage/Irritation

*Not an eye irritant.*

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

*May irritate but low vapour pressure makes this action unlikely.*

#### Skin Absorption

*Some skin absorption; no toxic effects likely by this route.*

#### Ingestion

*Not known - not a route of industrial exposure.*

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

#### Respiratory and/or Skin Sensitization

*Not a sensitizer in humans or animals.*

#### Carcinogenicity

*Not known to cause cancer. IARC: Not specifically listed. ACGIH®: Not specifically listed. NTP: Not specifically listed. OSHA: Not specifically listed.*

### Reproductive Toxicity

#### Sexual Function and Fertility

*No known effects in humans*

*NOAEL (reproduction) - 7200, 20,000 & 25,000mg/m<sup>3</sup> (inhalation, rat)*

*NOAEL (mutagen, teratogen) - 504, 7500, 7800 & 23,900mg/m<sup>3</sup> (inhalation, rat)*

#### Development of Offspring

*No known effect in humans or animals.*

#### Germ Cell Mutagenicity

*Not known to be a mutagen.*

## 12. ECOLOGICAL INFORMATION

<b>Bioaccumulation</b>	<i>not a bioaccumulator</i>
<b>Persistence and Degradability</b>	<b>Biodegradation -</b> <i>biodegrades readily in the presence of oxygen; 74, 77, 94 &amp; 96% in 28 days<sup>1</sup></i>
	<b>Abiotic Degradation -</b> <i>not known</i>
<b>Mobility in soil, water</b>	<i>water insoluble; move slowly or not at all in soil and water</i>
<b>Aquatic Toxicity</b>	

<b>LC50 (Fish, 96hr)</b>	8.2 & 11mg/litre ( <i>Pimephales promelas</i> ) <sup>1</sup> , 10mg/litre ( <i>Oncorhynchus mykiss</i> ) <sup>1</sup>
<b>EC50 (Crustacea, 48hr)</b>	4.5, 12, 18 & 32mg/litre ( <i>Daphnia magna</i> ) <sup>1</sup> , 13.8mg/litre ( <i>Mysidopsis bahia</i> ) <sup>1</sup>
<b>EC50 (Algae, 72 hrs)</b>	3.1, 6.4 & 51mg/litre ( <i>Pseudokirchnerella subcapitata</i> ) <sup>1</sup>
<b>EC50 (Bacteria)</b>	15.4mg/litre ( <i>Tetrahymena pyriformis</i> – calculated using QSAR) <sup>1</sup>

(1)Data from the EChA dossier for CAS# 64741-66-8 – a close but not exact match

**NOTE:** The above indicates that the product is not very toxic to the aquatic environment. The manufacturer gives numbers like 1000mg/litre for aquatic toxicity, but even the above (low) concentrations of this water insoluble substance cannot dissolve in water! In fact, the above LC<sub>50</sub> & EC<sub>50</sub> data refer to the “water accommodated fraction” or “WAF”. (see <http://www.ioscproceedings.org/doi/pdf/10.7901/2169-3358-2001-2-1269> for an explanation of the meaning of “WAF”.

### 13. DISPOSAL

#### Water Disposal

**Do not flush to sewer**, recycle solvent if possible, local regulations may permit disposal in sanitary landfill, may be incinerated in approved facility after mixing with a suitable flammable waste

#### Containers

**Drums** should be reused. Recondition and pressure test by a licensed reconditioner prior to re-use.


**Pails** must be vented and thoroughly dried prior to crushing and recycling.

**IBCs** (intermediate bulk containers): polyethylene bottle must be pressure tested & recertified at 30 months. Replace at 60 months (5yrs).

**Steel containers** must be inspected, pressure tested & recertified every 5 years.

**Never cut, drill, weld or grind on or near this container,  
even if empty**

### 14. TRANSPORT CLASSIFICATION

Canada TDG <b>AND</b>  U.S.A. 49 CFR	<b>PIN</b> UN1268 <b>Shipping Name</b> Petroleum Distillates, n.o.s. (Alkanes, C9-11) <b>Class &amp; Packing Group</b> 3, PG III	
Alternative	<b>PIN</b> UN3295 <b>Shipping Name</b> Hydrocarbons Liquid, n.o.s. (Alkanes, C9-11) <b>Class &amp; Packing Group</b> 3, PG III	
<b>Marine Pollutant ERAP Required</b> <b>Reportable Quantity</b> <b>E R G No.</b>	Marine Pollutant Yes – railcars shipments NO 128	

**Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.**

## 15. REGULATIONS

Canada DSL	On Inventory
U.S.A. TSCA	On Inventory
Europe EINECS	On Inventory
Australia AISC	On Inventory
Japan ENCS	On Inventory
Korea KECI	On Inventory
China IECSC	On Inventory
Philippines PICCS	On Inventory

### Canadian Regulations

#### CEPA - National Pollutant Release Inventory (NPRI)

Not specifically listed.

### U.S.A. Regulations

#### US National legislation

**SARA 311/312 Hazards:** Fire Hazard Acute Health Hazard

**CERCLA Reportable Quantity:** This material does not contain any components with a CERCLA RQ.

**SARA 302 Reportable Quantity:** This material does not contain any components with a SARA 302 RQ.

**SARA 302 Threshold Planning Quantity:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 304 Reportable Quantity:** This material does not contain any components with a section

**SARA 313 Ingredients:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

**Pennsylvania Right To Know:** No components are subject to the Pennsylvania Right to Know Act.

**New Jersey Right To Know:** No components are subject to the New Jersey Right to Know Act.

**California Prop. 65 Ingredients:** This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

## 15. OTHER INFORMATION

<b>NFPA RATING</b>	Health 1	Flammability 2	Instability 0
--------------------	----------	----------------	---------------

Prepared for Megaloid Laboratories Limited by Richard Koscher

Preparation Date: December 2014

Revision Dates: May 2015, November 2017, Feb 2019

<b>Key to Abbreviations</b>	<p><b>ACGIH®</b> = American Conference of Governmental Industrial Hygienists  <b>AIHA®</b> = AIHA® Guideline Foundation  <b>HSDB®</b> = Hazardous Substances Data Bank  <b>IARC</b> = International Agency for Research on Cancer  <b>NIOSH</b> = National Institute for Occupational Safety and Health  <b>NTP</b> = National Toxicology Program  <b>OSHA</b> = US Occupational Safety and Health Administration  <b>RTECS®</b> = Registry of Toxic Effects of Chemical Substances</p>
<b>References</b>	<p>CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).</p>
<b>Disclaimer</b>	<p>Megaloid Laboratories Limited provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. Megaloid Laboratories Limited makes no representations or warranties, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product which the information refers. Accordingly, Megaloid Laboratories Limited will not be responsible for damages resulting from the use of or reliance upon this information.</p>