

0875

# Safety Data Sheet

acc. to HCS and GHS

Printing date: 02/03/2014

Reviewed on: 01/27/2014

## 1 Identification

### Product identifier

Trade name: **Methyl Soyate**  
SAP material number: 100088935; 100089118; 100089121  
CAS number: 67784-80-9

Application of the substance / the mixture: Solvent, industrial use, not for fuel use.

### Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:  
Cargill, Incorporated  
Cargill Industrial Specialties  
9320 Excelsior Blvd.  
Hopkins, MN 55343  
Tel: 1-952-984-9122  
E-mail: CIS\_CustomerService@Cargill.com



Emergency telephone number: 1-800-255-3924 (ChemTel)

## 2 Hazard(s) identification

### Classification of the substance or mixture:

The substance is not classified as hazardous according to the Globally Harmonized System (GHS).

### Label elements

GHS label elements: Not Regulated.  
Hazard pictograms: Not Regulated.  
Signal word: Not Regulated.  
Hazard-determining components of labeling: None.  
Hazard statements:

Rags, steel wool, or waste soaked with product may spontaneously ignite if improperly handled or discarded.

### Hazard description

WHMIS-symbols: Not hazardous under WHMIS.

### Classification system

#### NFPA ratings (scale 0 - 4)



#### HMIS-ratings (scale 0 - 4)



### Other hazards

#### Results of PBT and vPvB assessment:

PBT: Not applicable.  
vPvB: Not applicable.

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### 3 Composition/information on ingredients

**Chemical characterization:** Substance.

**CAS No.:** 67784-80-9

**Description:** Soy methyl ester.

### 4 First-aid measures

#### Description of first aid measures

**General information:**

Take affected persons out into the fresh air.

**After inhalation:**

Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Clean with water and soap.

If skin irritation continues, consult a doctor.

**After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

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

Gastric or intestinal disorders when ingested.

Slight irritant effect on eyes.

**Danger:** None.

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

No additional information.

### 5 Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

**For safety reasons unsuitable extinguishing agents:** Water stream.

**Special hazards arising from the substance or mixture:**

Formation of toxic gases is possible during heating or in case of fire.

#### Advice for firefighters

**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information**

Use large quantities of foam as it is partially destroyed by the product.

Cool endangered containers with water spray.

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## 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures:

Use respiratory protective device against the effects of fumes/dust/aerosol.  
Particular danger of slipping on leaked/spilled product.  
Ensure adequate ventilation.

### Environmental precautions:

Do not allow to enter sewers/ surface or ground water.  
Prevent from spreading (e.g. by damming-in or oil barriers).

### Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).  
Pick up mechanically.  
Send for suitably qualified recovery and/or disposal companies.  
Dispose of the collected material according to regulations.  
Unused rags or other cleaning materials should be soaked with water and placed in a sealed container.

### Reference to other sections:

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

### Precautions for safe handling:

Prevent formation of aerosols.  
Avoid splashes or spray in enclosed areas.  
Store in cool, dry place in tightly closed containers.  
Rags, steel wool, or waste soaked with product may spontaneously ignite if improperly handled or discarded.

**Information about protection against explosions and fires:** No special measures required.

### Conditions for safe storage, including any incompatibilities

#### Storage

#### Requirements to be met by storerooms and containers:

Avoid storage near extreme heat, ignition sources or open flame.

**Information about storage in one common storage facility:** Store away from oxidizing agents.

#### Further information about storage conditions:

This product is hygroscopic.  
Protect from humidity and water.

**Specific end use(s):** No additional information.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No additional information.

### Control parameters

**Components with limit values that require monitoring at the workplace:** Not required.

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment

#### General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

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Avoid contact with the eyes and skin.  
Do not inhale gases / fumes / aerosols.  
Immediately remove all soiled and contaminated clothing.  
Do not eat, drink, smoke or use smokeless tobacco products while working.

**Breathing equipment:**

Not required under normal conditions of use.  
Use suitable respiratory protective device in case of insufficient ventilation.  
Use suitable respiratory protective device when aerosol or mist is formed.  
For spills, respiratory protection may be advisable.

**Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product. Selection of the glove material should be based on the penetration time, rates of diffusion and the degradation of the glove material.

**Material of gloves:**

The selection of a suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

**Penetration time of glove material:**

The exact break through time has to be determined by the manufacturer of the protective gloves. Do not exceed the breakthrough time set by the Manufacturer.

**For long-term contact, gloves made of the following materials are considered suitable:**

Butyl rubber, BR.  
Neoprene gloves.  
Nitrile rubber, NBR.

**Eye protection:**



Safety glasses

**Body protection:**

Not required under normal conditions of use.  
Protection may be required for spills.

**Limitation and supervision of exposure into the environment:** No special requirements.

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General information

##### Appearance

Form:	Liquid.
Color:	Pale yellow.
Odor:	Mild.
Odor threshold:	Not applicable.
pH-value:	Not determined.

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<b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Not determined.
<b>Boiling point/Boiling range:</b>	> 200 °C (> 392 F)
<b>Flash point:</b>	130 °C (266 °F) Closed Cup
<b>Flammability (solid, gaseous):</b>	Not applicable.
<b>Auto-ignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	2 mmHg (20°C).
<b>Density at 20 °C (68 °F):</b>	0.8815 (20 °C)
<b>Relative density:</b>	Not determined.
<b>Vapor density:</b>	> 1.
<b>Evaporation rate:</b>	< 1 Compared to Butyl acetate.
<b>Solubility in / Miscibility with Water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Other information:</b>	No additional information.

## 10 Stability and reactivity

### Reactivity

#### Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

#### Possibility of hazardous reactions:

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.

Reacts with strong oxidizing agents.

Reacts with strong alkali.

Toxic fumes may be released if heated above the decomposition point.

**Conditions to avoid:** Store away from oxidizing agents.

**Incompatible materials:** No additional information.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide.

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## 11 Toxicological information

### Information on toxicological effects

#### Acute toxicity

#### Primary irritant effect:

**On the skin:** No irritant effect.

**On the eye:** Slight irritant effect on eyes.

**Sensitization:** No sensitizing effects known.

#### Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects.  
The substance is not subject to classification.

### Carcinogenic categories

#### NTP (National Toxicology Program)

Substance is not listed.

**Repeated Dose Toxicity:** Repeated exposure may cause skin dryness or cracking.

## 12 Ecological information

### Toxicity

**Aquatic toxicity:** No additional information.

**Persistence and degradability:** Readily biodegradable.

**Bioaccumulative potential:** Does not accumulate in organisms.

**Mobility in soil:** No additional information.

#### Additional ecological information:

#### General notes:

Not known to be hazardous to water.

Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.

#### Results of PBT and vPvB assessment:

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No additional information.

## 13 Disposal considerations

### Waste treatment methods

#### Recommendation:

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to all the applicable regulations.

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<b>Uncleaned packagings</b> <b>Recommendation:</b> Disposal must be made according to the applicable regulations. <b>Recommended cleansing agent:</b> Water. Use cleansing agents if necessary.
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14 Transport information	
<b>UN-Number</b>	
DOT, ADR, ADN, IMDG, IATA:	Not Regulated.
<b>UN proper shipping name</b>	
DOT, ADR, ADN, IMDG, IATA:	Not Regulated.
<b>Transport hazard class(es)</b>	
DOT, ADR, ADN, IMDG, IATA:	
Class:	Not Regulated.
<b>Packing group</b>	
DOT, ADR, IMDG, IATA:	Not Regulated.
<b>Environmental hazards:</b>	
Marine pollutant:	No
<b>Special precautions for user:</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable.
<b>UN "Model Regulation":</b>	-

15 Regulatory information	
<b>Safety, health and environmental regulations/legislation specific for the substance or mixture.</b>	
<b>SARA</b>	
<b>Section 355 (extremely hazardous substances):</b> Substance is not listed.	
<b>Section 313 (Specific toxic chemical listings):</b> Substance is not listed.	
<b>TSCA (Toxic Substances Control Act):</b> Substance is listed.	
<b>Proposition 65 (California)</b>	
<b>Chemicals known to cause cancer:</b> Substance is not listed.	
<b>Chemicals known to cause reproductive toxicity for females:</b> Substance is not listed.	



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**Chemicals known to cause reproductive toxicity for males:**  
Substance is not listed.

**Chemicals known to cause developmental toxicity:**  
Methanol present at < 0.02%

**Carcinogenic categories**

**EPA (Environmental Protection Agency):**  
Substance is not listed.

**IARC (International Agency for Research on Cancer):**  
Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH):**  
Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health):**  
Substance is not listed.

**OSHA-Ca (Occupational Safety & Health Administration):**  
Substance is not listed.

**State Right to Know Listings:**  
Substance is not listed.

**Canadian substance listings**

**Canadian Domestic Substances List (DSL):**  
Substance is listed.

**Canadian Ingredient Disclosure list (limit 0.1%):**  
Substance is not listed.

**Canadian Ingredient Disclosure list (limit 1%):**  
Substance is not listed.

**16 Other information**

**Date of preparation / last revision: 02/03/2014**

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
WHMIS: Workplace Hazardous Materials Information System (Canada)

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