

# Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

## 1 Identification

- **Product identifier**
- **Trade name:** **MM30**
- **Product code:** 26030
- **Recommended use and restriction on use**
- **Recommended use:** Corrosion inhibitors
- **Restrictions on use:** Contact manufacturer/supplier
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**  
 FERTAN LLC  
 3414 Peachtree Road N.E.  
 Suite 1600  
 Atlanta, GA 30326  
 USA  
 (888)611-7112
- **Emergency telephone number:**  
 ChemTel Inc.  
 (800)255-3924 (North America)  
 +1 (813)248-0585 (International)

contact@fertanusa.com  
 http://www.fertanusa.com

## 2 Hazard(s) identification

- **Classification of the substance or mixture**

Flam. Aerosol 1	H222	Extremely flammable aerosol.
Press. Gas	H280	Contains gas under pressure; may explode if heated.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Dam. 1	H318	Causes serious eye damage.
Carc. 2	H351	Suspected of causing cancer.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS02 GHS04 GHS05 GHS07 GHS08

- **Signal word:** Danger

- **Hazard statements:**

H222 Extremely flammable aerosol.  
 H280 Contains gas under pressure; may explode if heated.

(Cont'd. on page 2)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 1)

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H351 Suspected of causing cancer.
- H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.

**Precautionary statements:**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P331 Do NOT induce vomiting.
- P302+P352 If on skin: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P410+P403 Protect from sunlight. Store in a well-ventilated place.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

115-10-6	dimethyl ether <div style="font-size: small; margin-top: 5px;"> <span style="color: red;">⚠</span> Flam. Gas 1, H220  <span style="color: red;">⚠</span> Press. Gas, H280                 </div>	20-40%
64742-49-0	Naphtha (petroleum), hydrotreated light (Nota P, <0.1% benzene) <div style="font-size: small; margin-top: 5px;"> <span style="color: red;">⚠</span> Asp. Tox. 1, H304                 </div>	10-20%
5593-70-4	tetra-n-butoxytitanium <div style="font-size: small; margin-top: 5px;"> <span style="color: red;">⚠</span> Flam. Liq. 3, H226  <span style="color: red;">⚠</span> Eye Dam. 1, H318  <span style="color: red;">⚠</span> Skin Irrit. 2, H315; STOT SE 3, H335-H336                 </div>	10-20%
1330-20-7	xylene <div style="font-size: small; margin-top: 5px;"> <span style="color: red;">⚠</span> Flam. Liq. 3, H226                 </div>	10-20%

(Cont'd. on page 3)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 2)

	<ul style="list-style-type: none"> <li>⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315</li> </ul>	
100-41-4	ethylbenzene ----- <ul style="list-style-type: none"> <li>⚠ Flam. Liq. 2, H225</li> <li>⚠ Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304</li> <li>⚠ Acute Tox. 4, H332</li> <li>⚠ Eye Irrit. 2B, H320</li> </ul>	1-5%
7429-90-5	aluminium powder (stabilised) ----- <ul style="list-style-type: none"> <li>⚠ Flam. Sol. 1, H228; Water-react. 2, H261</li> </ul>	1-5%

· **Additional information:**

For the wording of the listed Hazard Statements, refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

### 4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

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

Headache

Dizziness

Coughing

Breathing difficulty

Irritant to skin and mucous membranes.

Strong irritant with the danger of severe eye injury.

Acidosis

Nausea

Disorientation

· **Danger:**

Danger of pulmonary edema.

Danger of impaired breathing.

Causes serious eye damage.

Danger of disturbed cardiac rhythm.

Danger of convulsion.

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

May cause neurotoxic effects.

If swallowed or in case of vomiting, danger of entering the lungs.

(Cont'd. on page 4)



## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

Medical supervision for at least 48 hours.  
If necessary oxygen respiration treatment.

(Cont'd. of page 3)

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water stream.
- **Special hazards arising from the substance or mixture**  
Danger of receptacles bursting because of high vapor pressure if heated.  
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:**  
Eliminate all ignition sources if safe to do so.  
Cool endangered containers with water fog.  
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation.  
Keep away from ignition sources.  
Protect from heat.
- **Environmental precautions**  
Do not allow to enter sewers/ surface or ground water.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up**  
Allow to evaporate.  
Absorb liquid components with liquid-binding material.  
Do not flush with water or aqueous cleansing agents  
Send for recovery or disposal in suitable receptacles.
- **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

- **Handling**
- **Precautions for safe handling:**  
The usual precautionary measures for handling chemicals should be followed.  
Use only in well ventilated areas.

(Cont'd. on page 5)



## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 4)

Avoid splashes or spray in enclosed areas.

**Information about protection against explosions and fires:**

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C, i.e. electric lights. Do not pierce or burn, even after use.

Emergency cooling must be available in case of nearby fire.

**Conditions for safe storage, including any incompatibilities****Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

**Further information about storage conditions:**

Protect from heat and direct sunlight.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

**Specific end use(s)** No relevant information available.

### 8 Exposure controls/personal protection

**Control parameters****Components with limit values that require monitoring at the workplace:****115-10-6 dimethyl ether**

WEEL (USA) Long-term value: 1000 ppm

EL (Canada) Long-term value: 1000 ppm

**1330-20-7 xylene**PEL (USA) Long-term value: 435 mg/m<sup>3</sup>, 100 ppmREL (USA) Short-term value: 655 mg/m<sup>3</sup>, 150 ppmLong-term value: 435 mg/m<sup>3</sup>, 100 ppmTLV (USA) Short-term value: 651 mg/m<sup>3</sup>, 150 ppmLong-term value: 434 mg/m<sup>3</sup>, 100 ppm

BEI

EL (Canada) Short-term value: 150 ppm

Long-term value: 100 ppm

EV (Canada) Short-term value: 650 mg/m<sup>3</sup>, 150 ppmLong-term value: 435 mg/m<sup>3</sup>, 100 ppm

LMPE (Mexico) Short-term value: 150 ppm

Long-term value: 100 ppm

A4, IBE

**100-41-4 ethylbenzene**PEL (USA) Long-term value: 435 mg/m<sup>3</sup>, 100 ppmREL (USA) Short-term value: 545 mg/m<sup>3</sup>, 125 ppm

(Cont'd. on page 6)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 5)

TLV (USA)	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm Long-term value: 87 mg/m <sup>3</sup> , 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm IARC 2B
EV (Canada)	Short-term value: 540 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
LMPE (Mexico)	Long-term value: 20 ppm

**Ingredients with biological limit values:**
**1330-20-7 xylene**

BEI (USA)	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
-----------	--

**100-41-4 ethylbenzene**

BEI (USA)	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
-	Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

**Exposure controls**
**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.  
 Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing.  
 Wash hands before breaks and at the end of work.  
 Store protective clothing separately.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the eyes and skin.

· **Engineering controls:** Provide adequate ventilation.

**Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.  
 NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.

**Protection of hands:**


Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**For the permanent contact gloves made of the following materials are suitable:**

Fluorocarbon rubber (Viton)  
 Butyl rubber, BR  
 Nitrile rubber, NBR

**Eye protection:**

(Cont'd. on page 7)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 6)



Safety glasses

- **Body protection:** Solvent resistant protective clothing
- **Limitation and supervision of exposure into the environment**  
No relevant information available.
- **Risk management measures** No relevant information available.

### 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

##### · Appearance:

- |                   |                 |
|-------------------|-----------------|
| Form:             | Aerosol         |
| Color:            | Silver-colored  |
| · Odor:           | Characteristic  |
| · Odor threshold: | Not determined. |

- |                                |                             |
|--------------------------------|-----------------------------|
| · pH-value:                    | Not determined.             |
| · Melting point/Melting range: | Not applicable, as aerosol. |
| · Boiling point/Boiling range: | Not applicable, as aerosol. |

- |                |                   |
|----------------|-------------------|
| · Flash point: | -42 °C (-43.6 °F) |
|----------------|-------------------|

- |                                  |                 |
|----------------------------------|-----------------|
| · Flammability (solid, gaseous): | Not applicable. |
|----------------------------------|-----------------|

- |                              |                 |
|------------------------------|-----------------|
| · Auto-ignition temperature: | Not determined. |
|------------------------------|-----------------|

- |                              |                 |
|------------------------------|-----------------|
| · Decomposition temperature: | Not determined. |
|------------------------------|-----------------|

- |                        |  |
|------------------------|--|
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
|------------------------|--|

##### · Explosion limits

- |        |           |
|--------|-----------|
| Lower: | 2.7 Vol % |
| Upper: | 32 Vol %  |

- |                         |                |
|-------------------------|----------------|
| · Oxidizing properties: | Non-oxidizing. |
|-------------------------|----------------|

- |                   |                 |
|-------------------|-----------------|
| · Vapor pressure: | Not determined. |
|-------------------|-----------------|

##### · Density:

- |                   |                 |
|-------------------|-----------------|
| Relative density: | Not determined. |
| Vapor density:    | Not determined. |
| Evaporation rate: | Not applicable. |

##### · Solubility in / Miscibility with

- |        |                                   |
|--------|-----------------------------------|
| Water: | Not miscible or difficult to mix. |
|--------|-----------------------------------|

- |  |                 |
|--|-----------------|
| · Partition coefficient (n-octanol/water): | Not determined. |
|--|-----------------|

##### · Viscosity

- |            |                 |
|------------|-----------------|
| Dynamic:   | Not determined. |
| Kinematic: | Not determined. |

- |                     |            |
|---------------------|------------|
| · VOC (California): | < 65 Vol % |
|---------------------|------------|

(Cont'd. on page 8)

**Safety Data Sheet**

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 7)

**Other information**

No relevant information available.

**10 Stability and reactivity**

- **Reactivity:** No relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
Danger of receptacles bursting because of high vapor pressure if heated.
- **Possibility of hazardous reactions**  
Extremely flammable aerosol.  
Develops readily flammable gases / fumes.  
Reacts with oxidizing agents.  
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.  
Toxic fumes may be released if heated above the decomposition point.
- **Conditions to avoid**  
Keep ignition sources away - Do not smoke.  
Store away from oxidizing agents.
- **Incompatible materials** No relevant information available.
- **Hazardous decomposition products**  
Under fire conditions only:  
Carbon monoxide and carbon dioxide  
Toxic metal oxide smoke

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity:**

**LD/LC50 values that are relevant for classification:****ATE (Acute Toxicity Estimate)**

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4h	>30 mg/l

**1330-20-7 xylene**

Oral	LD50	4,300 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)

**100-41-4 ethylbenzene**

Oral	LD50	3,500 mg/kg (rat)
Dermal	LD50	17,800 mg/kg (rabbit)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** Based on available data, the classification criteria are not met.

**IARC (International Agency for Research on Cancer):**

(Cont'd. on page 9)



**Safety Data Sheet**

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 8)

100-41-4 ethylbenzene

2B

**· NTP (National Toxicology Program):**

None of the ingredients are listed.

**· OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**· Probable route(s) of exposure:**

Inhalation.

Eye contact.

Skin contact.

**· Germ cell mutagenicity:** Based on available data, the classification criteria are not met.**· Carcinogenicity:** Suspected of causing cancer.**· Reproductive toxicity:** Based on available data, the classification criteria are not met.**· STOT-single exposure:**

May cause respiratory irritation.

May cause drowsiness or dizziness.

**· STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.**· Aspiration hazard:** May be fatal if swallowed and enters airways.**12 Ecological information****· Toxicity****· Aquatic toxicity**

Toxic to aquatic life with long lasting effects.

**1330-20-7 xylene**

LC50 13.4 mg/l (pimephales promelas)

**100-41-4 ethylbenzene**

EC50 1-10 mg/kg (daphnia)

LC50 1-10 mg/l (Green Algae (chlorophyta))

4.2 mg/l (Oncorhynchus mykiss)

**· Persistence and degradability** No relevant information available.**· Bioaccumulative potential:** No relevant information available.**· Mobility in soil:** No relevant information available.**· Additional ecological information****· General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

**· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.**· Other adverse effects** No relevant information available.**13 Disposal considerations****· Waste treatment methods**

(Cont'd. on page 10)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 9)

· **Recommendation:**

Contact waste processors for recycling information.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

· **Uncleaned packagings**

· **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

· **UN-Number**

· DOT, ADR, IMDG, IATA UN1950

· **UN proper shipping name**

· DOT Aerosols  
 · ADR, IMDG AEROSOLS  
 · IATA Aerosols, flammable

· **Transport hazard class(es)**

· DOT



· Class 2.1  
 · Label 2.1

· ADR



· Class 2.1 5F  
 · Label 2.1

· IMDG, IATA



· Class 2.1  
 · Label 2.1

· **Packing group**

Aerosols are not assigned a packing group.

· **Environmental hazards**

Product contains environmentally hazardous substances: zinc powder

· **Marine pollutant:**

(Cont'd. on page 11)

## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 10)



Yes

<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>EMS Number:</b></li> </ul>	<p>Not applicable. F-D,S-U</p>
---	------------------------------------

<ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>	<p>Not applicable.</p>
--	------------------------

· **Transport/Additional information:**

· **DOT**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· **ADR**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· **IMDG**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

· **IATA**



Limited Quantity for packages less than 30 kg gross and inner packagings less than 1 L.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

1330-20-7	xylylene
7440-66-6	zinc powder

(Cont'd. on page 12)

**Safety Data Sheet**

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 11)

100-41-4	ethylbenzene	
7429-90-5	aluminium powder (stabilised)	

**· TSCA (Toxic Substances Control Act)**

All ingredients are listed.

**· Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

115-10-6	dimethyl ether	10000
----------	----------------	-------

**· Proposition 65 (California)****· Chemicals known to cause cancer:**

100-41-4	ethylbenzene	
----------	--------------	--

**· Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

**· Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

**· Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**· EPA (Environmental Protection Agency):**

1330-20-7	xylene	I
7440-66-6	zinc powder	D, I, II
100-41-4	ethylbenzene	D

**· IARC (International Agency for Research on Cancer):**

100-41-4	ethylbenzene	2B
----------	--------------	----

**· Canadian Domestic Substances List (DSL):**

All ingredients are listed.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Date of preparation / last revision** May 14, 2018 / -

**· Abbreviations and acronyms:**

ADR: 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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety &amp; Health Administration

Flam. Gas 1: Flammable gases – Category 1

Flam. Aerosol 1: Aerosols – Category 1

Press. Gas: Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Sol. 1: Flammable solids – Category 1

(Cont'd. on page 13)



## Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: May 14, 2018

Revision: May 14, 2018

**Trade name: MM30**

(Cont'd. of page 12)

Water-react. 2: Substances and mixtures which in contact with water emit flammable gases – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

Carc. 2: Carcinogenicity – Category 2

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

**Sources**Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do))Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: [www.chemtelinc.com](http://www.chemtelinc.com)