SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Description: tert-Butyl methyl ether
Cat No.: 378720000; 378720010; 378720025; 378720100
Synonyms 2-Methyl-2-methoxy propane; MTBE; Methyl tert-butyl ether
CAS-No 1634-04-4
EC-No. 216-653-1
Molecular Formula C5 H12 O
Reach Registration Number -

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals.
Uses advised against No Information available

1.3. Details of the supplier of the safety data sheet

Company Acros Organics BVBA
Janssen Pharmaceuticaan 3a
2440 Geel, Belgium
E-mail address begel.sdsdesk@thermofisher.com

1.4. Emergency telephone number

For information US call: 001-800-ACROS-01 / Europe call: +32 14 57 52 11
Emergency Number US:001-201-796-7100 / Europe: +32 14 57 52 99
CHEMTREC Tel. No.US:001-800-424-9300 / Europe:001-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical hazards</td>
<td>Flammable liquids</td>
</tr>
<tr>
<td>Health hazards</td>
<td>Skin Corrosion/irritation</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>Based on available data, the classification criteria are not met</td>
</tr>
</tbody>
</table>

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Symbol(s) Xi - Irritant
F - Highly flammable
R-phrase(s) R11 - Highly flammable
R38 - Irritating to skin

ACR37872
2.2. Label elements

Signal Word
Danger

Hazard Statements
H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation

Precautionary Statements
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P240 - Ground/Bond container and receiving equipment
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

2.3. Other hazards

No information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>EC-No.</th>
<th>Weight %</th>
<th>CLP Classification - Regulation (EC) No 1272/2008</th>
<th>DSD Classification - 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>1634-04-4</td>
<td>EEC No. 216-653-1</td>
<td>&gt;95</td>
<td>Skin Irrit. 2 (H315) Flam. Liq. 2 (H225)</td>
<td>F; R11 Xi; R38</td>
</tr>
</tbody>
</table>

Reach Registration Number -

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

Skin Contact
Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Ingestion
Do not induce vomiting. Obtain medical attention.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

Protection of First-aiders
Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
4.2. Most important symptoms and effects, both acute and delayed

Breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting: Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically. Symptoms may be delayed.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray.

Extinguishing media which must not be used for safety reasons
Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products
Carbon monoxide (CO), Carbon dioxide (CO₂).

5.3. Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation.

6.2. Environmental precautions

Should not be released into the environment. See Section 12 for additional ecological information.

6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges.

6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Use explosion-proof equipment. Take precautionary measures against static discharges. Use only under a chemical fume hood. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.
7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Flammables area. Keep away from heat and sources of ignition. Keep container tightly closed in a dry and well-ventilated place. May form explosive peroxides on prolonged storage.

7.3. Specific end use(s)

Use in laboratories

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits


<table>
<thead>
<tr>
<th>Component</th>
<th>European Union</th>
<th>The United Kingdom</th>
<th>France</th>
<th>Belgium</th>
<th>Spain</th>
</tr>
</thead>
</table>
| Methyl tert-butyl ether    | TWA: 50 ppm 8 hr  
                          | TWA: 183.5 mg/m³ 8 hr  
                          | STEL: 100 ppm 15 min  
                          | STEL: 367 mg/m³ 15 min | TWA / VME: 50 ppm (8 heures)  
                          | TWA / VME: 183.5 mg/m³ (8 heures)  
                          | STEL / VLCT: 367 mg/m³.  
                          | STEL / VLCT: 100 ppm. | TWA / VME: 146 mg/m³ 8 uren  
                          | TWA / VME: 367 mg/m³ 15 minuten | STEL / VLA-EC: 367 mg/m³ (15 minutos).  
                          | TWA: 180 mg/m³ 8 uren | STEL / VLA-ED: 50 ppm (8 horas) |

<table>
<thead>
<tr>
<th>Component</th>
<th>Italy</th>
<th>Germany</th>
<th>Portugal</th>
<th>The Netherlands</th>
<th>Finland</th>
</tr>
</thead>
</table>
| Methyl tert-butyl ether    | TWA: 50 ppm (8 Stunden). AGW - exposure factor 1.5  
                          | TWA: 180 mg/m³ (8 Stunden). AGW - exposure factor 1.5  
                          | TWA: 50 ppm (8 Stunden). MAK Höhepunkt: 75 ppm  
                          | Höhepunkt: 270 mg/m³ | TWA: 180 mg/m³ 8 uren  
                          | STEL: 100 ppm 15 minuten | STEL: 367 mg/m³ 15 minuten | TWA: 183.5 mg/m³ 8 uren |

<table>
<thead>
<tr>
<th>Component</th>
<th>Austria</th>
<th>Denmark</th>
<th>Switzerland</th>
<th>Poland</th>
<th>Norway</th>
</tr>
</thead>
</table>
| Methyl tert-butyl ether    | MAK-KZW: 100 ppm 15 Minuten  
                          | MAK-KZW: 360 mg/m³ 15 Minuten  
                          | MAK-TMW: 50 ppm 8 Stunden  
                          | MAK-TMW: 180 mg/m³ 8 Stunden | MAK-KZW: 40 ppm 8 timer  
                          | TWA: 144 mg/m³ 8 timer | TWA: 75 ppm 15 Minuten  
                          | TWA: 270 mg/m³ 15 Minuten | TWA: 180 mg/m³ 8 godzinach | TWA: 50 ppm 8 timer  
                          | TWA: 183.5 mg/m³ 8 timer | STEL: 100 ppm 15 minuten | listed in the List of Administrative Norms | STEL: 367 mg/m³ 15 minuten, listed in the List of Administrative Norms |
## SAFETY DATA SHEET

**tert-Butyl methyl ether**  
Revision Date: 12-Sep-2014

### Component

<table>
<thead>
<tr>
<th>Component</th>
<th>Estonia</th>
<th>Gibraltar</th>
<th>Greece</th>
<th>Hungary</th>
<th>Iceland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>TWA: 50 ppm TWA: 183.5 mg/m³ 8 tundides. TWA: 180 mg/m³ 8 tundides. STEL: 75 ppm 15 minutes. STEL: 250 mg/m³ 15 minutes.</td>
<td>TWA: 183.5 mg/m³ 8 hr TWA: 50 ppm 8 hr STEL: 367 mg/m³ 15 min STEL: 100 ppm 15 min</td>
<td>STEL: 100 ppm STEL: 367 mg/m³ TWA: 50 ppm TWA: 183.5 mg/m³</td>
<td>STEL: 367 mg/m³ 15 percekben. CK TWA: 183.5 mg/m³ 8 óraban. AK</td>
<td>STEL: 100 ppm STEL: 367 mg/m³ TWA: 50 ppm 8 klukkustundum. TWA: 183.5 mg/m³ 8 klukkustundum. Ceiling: 100 ppm Ceiling: 367 mg/m³</td>
</tr>
</tbody>
</table>

### Component

<table>
<thead>
<tr>
<th>Component</th>
<th>Latvia</th>
<th>Lithuania</th>
<th>Luxembourg</th>
<th>Malta</th>
<th>Romania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>STEL: 100 ppm STEL: 367 mg/m³ TWA: 50 ppm TWA: 183.5 mg/m³</td>
<td>TWA: 50 ppm IPRD TWA: 183.5 mg/m³ IPRD STEL: 100 ppm STEL: 367 mg/m³</td>
<td>TWA: 50 ppm 8 Stunden STEL: 367 mg/m³ 15 Minuten STEL: 100 ppm 15 Minuten</td>
<td>TWA: 183.5 mg/m³ TWA: 50 ppm STEL: 367 mg/m³ 15 Minuten STEL: 100 ppm 15 Minuten</td>
<td>TWA: 50 ppm 8 ore TWA: 183.5 mg/m³ 8 ore STEL: 100 ppm 15 minute STEL: 367 mg/m³ 15 minute</td>
</tr>
</tbody>
</table>

### Component

<table>
<thead>
<tr>
<th>Component</th>
<th>Russia</th>
<th>Slovak Republic</th>
<th>Slovenia</th>
<th>Sweden</th>
<th>Turkey</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>TWA: 100 mg/m³ STEL: 300 mg/m³ vapor Ceiling: 367 mg/m³</td>
<td>TWA: 50 ppm 8 urah TWA: 183.5 mg/m³ 8 urah STEL: 100 ppm 15 minuta STEL: 367 mg/m³ 15 minuta</td>
<td>STEV: 60 ppm 15 minuter STV: 220 mg/m³ 15 minuter LLV: 30 ppm 8 timmar. LLV: 110 mg/m³ 8 timmar.</td>
<td>STEL: 100 ppm 15 dakika STEL: 367 mg/m³ 15 dakika</td>
<td></td>
</tr>
</tbody>
</table>

### Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### Monitoring methods

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS70 General methods for sampling airborne gases and vapours

MDHS 88 Volatile organic compounds in air. Laboratory method using diffusive samplers, solvent desorption and gas chromatography

MDHS 96 Volatile organic compounds in air - Laboratory method using pumped solid sorbent tubes, solvent desorption and gas chromatography

### Derived No Effect Level (DNEL)

No information available

### Predicted No Effect Concentration (PNEC)

No information available.
SAFETY DATA SHEET

tert-Butyl methyl ether

8.2. Exposure controls

Engineering Measures
Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation, especially in confined areas. Use explosion-proof electrical/ventilating/lighting/equipment.
Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Personal protective equipment

Eye Protection
Safety glasses with side-shields (European standard - EN 166)

Hand Protection
Protective gloves

Skin and body protection
Wear appropriate protective gloves and clothing to prevent skin exposure

Inspect gloves before use.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.
(Rerifer to manufacturer/supplier for information)
Ensure gloves are suitable for the task: Chemical compatibility, Dexterity, Operational conditions, User susceptibility, e.g. sensitisation effects, also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion.
Remove gloves with care avoiding skin contamination.

Respiratory Protection
No protective equipment is needed under normal use conditions.

Large scale/emergency use
Use a NIOSH/MSHA or European Standard EN 136 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

Recommended Filter type: low boiling organic solvent Type AX Brown conforming to EN371

Small scale/Laboratory use
Maintain adequate ventilation Use a NIOSH/MSHA or European Standard EN 149:2001 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Recommended half mask:- Valve filtering: EN405; or; Half mask: EN140; plus filter, EN 141

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls
No information available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance
Colorless

Physical State
Liquid

Odor
Petroleum distillates

Odor Threshold
No data available

pH
No information available

Melting Point/Range
-110 °C / -166 °F

Softening Point
No data available

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SAFETY DATA SHEET

tert-Butyl methyl ether

Revision Date 12-Sep-2014

Component log Pow
Methyl tert-butyl ether 1.06

9.2. Other information
Molecular Formula C5 H12 O
Molecular Weight 88.15

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
None known, based on information available

10.2. Chemical stability
Stable under normal conditions

10.3. Possibility of hazardous reactions
Hazardous Polymerization Hazardous polymerization does not occur.
Hazardous Reactions None under normal processing.

10.4. Conditions to avoid

10.5. Incompatible materials
Strong oxidizing agents.

10.6. Hazardous decomposition products
Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Product Information

(a) acute toxicity;
   Oral Based on available data, the classification criteria are not met
   Dermal Based on available data, the classification criteria are not met
   Inhalation Based on available data, the classification criteria are not met

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
</table>

ACR37872
Methyl tert-butyl ether  |  2963 mg/kg (Rat)  |  10000 mg/kg (Rabbit)  |  23576 ppm (Rat) 4 h

(b) skin corrosion/irritation;  Category 2

(c) serious eye damage/irritation;  No data available

(d) respiratory or skin sensitization;
   Respiratory  No data available
   Skin  No data available

(e) germ cell mutagenicity;  No data available
   Mutagenic effects have occurred in experimental animals

(f) carcinogenicity;  No data available
   The table below indicates whether each agency has listed any ingredient as a carcinogen
   Limited evidence of a carcinogenic effect

<table>
<thead>
<tr>
<th>Component</th>
<th>EU</th>
<th>UK</th>
<th>Germany</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>Cat. 3B</td>
<td></td>
<td></td>
<td>group 3</td>
</tr>
</tbody>
</table>

(g) reproductive toxicity;
   Reproductive Effects  Experiments have shown reproductive toxicity effects on laboratory animals.
   Developmental Effects  Developmental effects have occurred in experimental animals.
   Teratogenicity  Teratogenic effects have occurred in experimental animals.

(h) STOT-single exposure;  No data available

(i) STOT-repeated exposure;  No data available
   Target Organs  Skin, Eyes, Central nervous system (CNS), Liver, Kidney, Blood.

(j) aspiration hazard;  No data available

Other Adverse Effects  Tumorigenic effects have been reported in experimental animals. See actual entry in RTECS for complete information

Symptoms / effects, both acute and delayed
   Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting:
   Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
   Ecotoxicity effects  Do not empty into drains.

<table>
<thead>
<tr>
<th>Component</th>
<th>Freshwater Fish</th>
<th>Water Flea</th>
<th>Freshwater Algae</th>
<th>Microtox</th>
</tr>
</thead>
</table>
| Methyl tert-butyl ether    | 887 mg/L LC50 96 h
   100 mg/L LC50 96 h
   929 mg/L LC50 96 h
   672 mg/L LC50 96 h | 542 mg/L EC50 = 48 h
   800 mg/L EC50 > 72 h
   184 mg/L EC50 = 96 h | EC50 = 11.4 mg/L 30 min
   EC50 = 8.23 mg/L 5 min
   EC50 = 9.67 mg/L 15 min |

12.2. Persistence and degradability
   Persistence  Persistence is unlikely, based on information available.

12.3. Bioaccumulative potential  Bioaccumulation is unlikely

<table>
<thead>
<tr>
<th>Component</th>
<th>log Pow</th>
<th>Bioconcentration factor (BCF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>1.06</td>
<td>No data available</td>
</tr>
</tbody>
</table>

ACR37872
12.4. Mobility in soil
The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Will likely be mobile in the environment due to its volatility. Disperses rapidly in air.

12.5. Results of PBT and vPvB assessment
No data available for assessment.

12.6. Other adverse effects
Endocrine Disruptor Information

<table>
<thead>
<tr>
<th>Component</th>
<th>EU - Endocrine Disrupters Candidate List</th>
<th>EU - Endocrine Disruptors - Evaluated Substances</th>
<th>Japan - Endocrine Disruptor Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>Group III Chemical</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistent Organic Pollutant
This product does not contain any known or suspected substance

Ozone Depletion Potential
This product does not contain any known or suspected substance

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste from Residues / Unused Products
Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Contaminated Packaging
Dispose of this container to hazardous or special waste collection point. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep product and empty container away from heat and sources of ignition.

European Waste Catalogue (EWC)
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Other Information
Waste codes should be assigned by the user based on the application for which the product was used. Do not dispose of waste into sewer. Can be incinerated, when in compliance with local regulations.

SECTION 14: TRANSPORT INFORMATION

IMDG/IMO

14.1. UN number
UN2398

14.2. UN proper shipping name
Methyl butyl ether

14.3. Transport hazard class(es)
3

14.4. Packing group
II

ADR

14.1. UN number
UN2398

14.2. UN proper shipping name
METHYL tert-BUTYL ETHER

14.3. Transport hazard class(es)
3

14.4. Packing group
II

IATA

14.1. UN number
UN2398

14.2. UN proper shipping name
METHYL TERT-BUTYL ETHER

14.3. Transport hazard class(es)
3

14.4. Packing group
II

14.5. Environmental hazards
No hazards identified

14.6. Special precautions for user
No special precautions required
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable, packaged goods

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

<table>
<thead>
<tr>
<th>Component</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>NLP</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>PICCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>AICS</th>
<th>KECL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>216-653-1</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>-</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

National Regulations

<table>
<thead>
<tr>
<th>Component</th>
<th>Germany - Water Classification (VwVwS)</th>
<th>Germany - TA-Luft Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>WGK 1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>France - INRS (Tables of occupational diseases)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl tert-butyl ether</td>
<td>Tableaux des maladies professionnelles (TMP) - RG 84</td>
<td></td>
</tr>
</tbody>
</table>

Take note of Control of Substances Hazardous to Health Regulations (COSHH) 2002 and 2005 Amendment.
Take note of Dir 94/33/EC on the protection of young people at work
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

15.2. Chemical safety assessment

A Chemical Safety Assessment/Report (CSA/CSR) has not been conducted

SECTION 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R11 - Highly flammable
R38 - Irritating to skin

Full text of H-Statements referred to under sections 2 and 3
H225 - Highly flammable liquid and vapor
H315 - Causes skin irritation

Legend

CAS - Chemical Abstracts Service
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
IECSC - Chinese Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
WEL - Workplace Exposure Limit
ACGIH - American Conference of Governmental Industrial Hygienists
RPE - Respiratory Protective Equipment
LC50 - Lethal Concentration 50%
NOEC - No Observed Effect Concentration
PBT - Persistent, Bioaccumulative, Toxic
ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japanese Existing and New Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
TWA - Time Weighted Average
IARC - International Agency for Research on Cancer
PNEC - Predicted No Effect Concentration
LD50 - Lethal Dose 50%
EC50 - Effective Concentration 50%
POW - Partition coefficient Octanol:Water
vPvB - very Persistent, very Bioaccumulative
ICAO/IATA - International Civil Aviation Organization/International Air Transport Association
SAFETY DATA SHEET

tert-Butyl methyl ether

Key literature references and sources for data
Suppliers safety data sheet, Chemadvisor - LOLI, Merck index, RTECS

Training Advice
Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene.
Fire prevention and fighting, identifying hazards and risks, static electricity, explosive atmospheres posed by vapours and dusts.
Chemical incident response training.
Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards.
First aid for chemical exposure, including the use of eye wash and safety showers.

Disclaimer
The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet