



## 1 Identification

- **Product identifier**
- **Trade name:** ETHANOL TREATMENT
- **Application of the substance / the mixture**  
Only for proper handling.  
Fuel additive
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BUCHER\_AG\_LANGENTHAL  
MOTOREX-Schmiertechnik  
Bern-Zürich-Strasse\_31\_\_  
CH-4901\_Langenthal\_\_  
Telefon\_+41\_(0)62\_919\_75\_75  
  
Lube-Tech  
Lubrication Technologies, Inc.  
900 Mendelssohn Avenue North  
US-55427 Golden Valley, Minnesota  
Phone: 001 763 417 1357
- **Information department:** [msds@motorex.com](mailto:msds@motorex.com)
- **Emergency telephone number:**  
Toxicological Information Centre  
CH-8028 Zurich  
[info@toxi.ch](mailto:info@toxi.ch)  
T. +41 (0)44 251 51 51  
USA + Kanada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
 GHS08 Health hazard  
  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.  
Flam. Liq. 4 H227 Combustible liquid.
- **Label elements**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**  
  
GHS08
- **Signal word** Danger
- **Hazard-determining components of labeling:**  
Solvent naphta (petroleum) heavy aliph.
- **Hazard statements**  
H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 03/22/2016

Reviewed on 03/22/2016

**Trade name: ETHANOL TREATMENT**

(Contd. of page 1)

**· Precautionary statements**

- P210 Keep away from flames and hot surfaces. – No smoking.  
 P280 Wear protective gloves / eye protection / face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
 P331 Do NOT induce vomiting.  
 P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
 P405 Store locked up.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· Classification system:**
**· NFPA ratings (scale 0 - 4)**


Health = 0  
 Fire = 2  
 Reactivity = 0

**· HMIS-ratings (scale 0 - 4)**


HEALTH 0 Health = 0  
 FIRE 2 Fire = 2  
 REACTIVITY 0 Reactivity = 0

**· Other hazards**
**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

**· Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

**· Dangerous components:**

64742-96-7	Solvent naphta (petroleum) heavy aliph.	Asp. Tox. 1, H304	50-100%
------------	---	-------------------	---------

### 4 First-aid measures

**· Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
 Remove residues with soap and water.  
 Remove contaminated clothing immediately.
- **After eye contact:**  
 Rinse opened eye for several minutes under running water.  
 Consult a physician if irritation develops.
- **After swallowing:**  
 Do not induce vomiting. Do not take in resorption stimulating agents.  
 Consult a physician who will decide on need and method of emptying the stomach.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**  
 No further relevant information available.

(Contd. on page 3)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 03/22/2016

Reviewed on 03/22/2016

**Trade name: ETHANOL TREATMENT**

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **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** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Do not spray on a naked flame or any incandescent material.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 10
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

(Contd. on page 4)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 03/22/2016

Reviewed on 03/22/2016

Trade name: **ETHANOL TREATMENT**

(Contd. of page 3)

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

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

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	Fluid
<b>Color:</b>	Light blue
<b>Odor:</b>	Characteristic
<b>Odor threshold:</b>	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	190 °C (374 °F) (DIN EN ISO 3405)

- **Flash point:** 69 °C (156 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:**

<b>Decomposition temperature:</b>	Not determined.
-----------------------------------	-----------------

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Not determined.

(Contd. on page 5)

US

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 03/22/2016

Reviewed on 03/22/2016

Trade name: **ETHANOL TREATMENT**

(Contd. of page 4)

- **Explosion limits:**

**Lower:** Not determined.  
**Upper:** Not determined.

- **Vapor pressure:** (20 °C) 0.02 kPa

- **Density at 20 °C (68 °F):** 0.8 g/cm<sup>3</sup> (6.676 lbs/gal) (ASTM D 4052)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.

- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.

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

- **Viscosity:**

**Dynamic:** Not determined.  
**Kinematic:** < 7 mm<sup>2</sup>/s @ 40 °C (DIN 51562-1)  
**VOC content:** 100.0 %

799.9 g/l / 6.68 lb/gl

- **Other information:** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

- **Carcinogenic categories**

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

1330-20-7	xylene	3
100-41-4	ethylbenzene	2B

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

(Contd. on page 6)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 03/22/2016

Reviewed on 03/22/2016

Trade name: ETHANOL TREATMENT

(Contd. of page 5)

<ul style="list-style-type: none"> <li>· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b></li> </ul>
--

None of the ingredients is listed.
------------------------------------

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 1 (Self-classification according VwVwS, 17.05.1999): slightly hazardous for water*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

### 14 Transport information

- |  |                 |
|--|-----------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> </ul>   | Void            |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR,ADN, ADN, IMDG, IATA</b></li> </ul>   | Void            |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> </ul>   | Void            |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR,ADN, ADN, IMDG, IATA</b></li> </ul>   | Void            |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> </ul>  | Void            |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR,ADN, ADN, IMDG, IATA</b></li> <li>· <b>Class</b></li> </ul>                   | Void            |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> </ul>   | Void            |
| <ul style="list-style-type: none"> <li>· <b>DOT, ADR,ADN, IMDG, IATA</b></li> </ul>  | Void            |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> </ul>  | No              |
| <ul style="list-style-type: none"> <li>· <b>Marine pollutant:</b></li> </ul>   | No              |
| <ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> </ul>  | Not applicable. |
| <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> | Not applicable. |

(Contd. on page 7)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 03/22/2016

Reviewed on 03/22/2016

Trade name: **ETHANOL TREATMENT**

(Contd. of page 6)

· <b>UN "Model Regulation":</b>	Void
---------------------------------	------

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· <b>Section 355 (extremely hazardous substances):</b>
--

None of the ingredients is listed.
------------------------------------

· <b>Section 313 (Specific toxic chemical listings):</b>
--

1330-20-7	xylene
-----------	--------

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

· <b>TSCA (Toxic Substances Control Act):</b>
---

All ingredients are listed.
-----------------------------

· <b>Proposition 65</b>
-------------------------

· <b>Chemicals known to cause cancer:</b>
---

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

· <b>Chemicals known to cause reproductive toxicity for females:</b>
--

None of the ingredients is listed.
------------------------------------

· <b>Chemicals known to cause reproductive toxicity for males:</b>
--

None of the ingredients is listed.
------------------------------------

· <b>Chemicals known to cause developmental toxicity:</b>
---

None of the ingredients is listed.
------------------------------------

· <b>Carcinogenic categories</b>
----------------------------------

· <b>EPA (Environmental Protection Agency)</b>
--

1330-20-7	xylene	I
-----------	--------	---

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

· <b>TLV (Threshold Limit Value established by ACGIH)</b>
---

1330-20-7	xylene	A4
-----------	--------	----

100-41-4	ethylbenzene	A3
----------	--------------	----

· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>
---

None of the ingredients is listed.
------------------------------------

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

- **Department issuing SDS:** Abteilung Produktsicherheit

- **Date of preparation / last revision** 03/22/2016 / -

- **Abbreviations and acronyms:**

Flam. Liq. 4: Flammable liquids, Hazard Category 4

Asp. Tox. 1: Aspiration hazard, Hazard Category 1