

## SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifier

**Product name:** Rivolta M.T.X. 100

**Other means of identification:** For further information, please refer to section 9 of the SDS.

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

**Identified uses:** Solvent-based cleaner

**Uses advised against:** No uses advised against identified.

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer

Bremer & Leguil GmbH  
Am Burgacker 30 - 42  
47051 Duisburg  
info@bremer-leguil.de  
www.bremer-leguil.de

##### Canadian Distributor

Fuchs Lubricants Canada LTD.  
405 Dobbie Drive  
Cambridge, ON N1T 1S8  
(519) 622-2040  
CANUTEC 1-888-226-8832 (24 hrs)

Telephone:

+49 (0)203 / 9923-0

Fax:

+49 (0)203 / 25901

##### Contact Person:

Bremer & Leguil GmbH - Product Safety Management

#### 1.4 US contact telephone :

708-333-8900

#### Emergency telephone:

800-255-3924

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

##### Physical Hazards

Flammable liquids

Category 4

##### Health Hazards

Aspiration Hazard

Category 1

##### Hazard summary

###### Physical Hazards:

Can form flammable vapour-air mixtures during the application.

###### Health Hazards

###### Skin Contact:

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

###### Ingestion:

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

**Product name:** Rivolta M.T.X. 100

## 2.2 Label Elements



**Signal Words:** Danger

**Hazard Statement(s):** H227: Combustible liquid.  
H304: May be fatal if swallowed and enters airways.

### Precautionary Statements

**Prevention:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Response:** P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331: Do NOT induce vomiting.

**Storage:** P403: Store in a well-ventilated place.  
P235: Keep cool.  
P405: Store locked up.

**Disposal:** P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**2.3 Other hazards:** By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

**Unknown toxicity:** Due to information available product does not contain any ingredients of unknown toxicity.

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

**General information:** Mixture based on volatile aromatic-free hydrocarbons and additives.

Chemical name	Identifier	Concentration *	Notes
Hydrocarbons, low viscosity	1174522-15-6	20.00 - <50.00%	
Hydrocarbons, low viscosity	64742-48-9	20.00 - <50.00%	
Hydrocarbons, low viscosity	246538-76-1	10.00 - <25.00%	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

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**Product name:** Rivolta M.T.X. 100
 

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**Classification**

Chemical name	Identifier	Classification
Hydrocarbons, low viscosity	1174522-15-6	Asp. Tox. 1;H304
Hydrocarbons, low viscosity	64742-48-9	Asp. Tox. 1;H304
Hydrocarbons, low viscosity	246538-76-1	Asp. Tox. 1;H304, Aquatic Chronic 4;H413

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Note L of Annex VI of Regulation EC 1272/2008."

**4 FIRST AID MEASURES**

**General:** Instantly remove any clothing soiled by the product.

**4.1 Description of first aid measures**

**Inhalation:** Supply fresh air; consult doctor in case of symptoms.

**Eye contact:** Promptly wash eyes with plenty of water while lifting the eye lids.

**Skin Contact:** Wash with water and soap; pay attention: skin degreasing product.

**Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Never give liquid to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do NOT induce vomiting.

**4.2 Most important symptoms and effects, both acute and delayed:** If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. Headache.

**4.3 Indication of any immediate medical attention and special treatment needed** Get medical attention if symptoms occur.

**SECTION 5: Firefighting measures**

**General Fire Hazards:** Use water spray to keep fire-exposed containers cool.

**5.1 Extinguishing media**

**Suitable extinguishing media:** CO<sub>2</sub>, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

**Unsuitable extinguishing media:** Water with a full water jet.

**5.2 Special hazards arising from the substance or mixture:** Can form explosive vapor-air mixtures at higher temperatures.

**5.3 Advice for firefighters**

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<b>Special fire fighting procedures:</b>	Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.
<b>Special protective equipment for fire-fighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### SECTION 6: Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	In case of spills, beware of slippery floors and surfaces. Keep away from sources of ignition - No smoking.
<b>6.2 Environmental Precautions:</b>	Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.
<b>6.3 Methods and material for containment and cleaning up:</b>	Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.
<b>6.4 Reference to other sections:</b>	See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

#### SECTION 7: Handling and storage:

<b>7.1 Precautions for safe handling:</b>	Use only in well-ventilated areas. Risk of vapor concentration on the floor and in low-lying areas. Prevent formation of aerosols. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	Store locked up. Local regulations concerning handling and storage of waterpolluting products have to be followed. The precautions for storing and handling of flammable liquids have to be kept. Local regulations for common storage of flammable liquids have to be followed.
<b>7.3 Specific end use(s):</b>	Not applicable

### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1.Exposure Limits

None of the components have assigned exposure limits.

#### 8.2.Exposure controls

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**Appropriate engineering controls:** Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**General information:** Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

**Eye/face protection:** Goggles/face shield are recommended.

**Skin protection**

**Hand Protection:** Material: Nitrile butyl rubber (NBR).  
Min. Breakthrough time:  $\geq 480$  min  
Recommended thickness of the material:  $\geq 0.38$  mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Other:** Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

**Respiratory Protection:** Do not breathe dust/fume/gas/mist/vapors/spray. Provide adequate ventilation. In case of inadequate ventilation wear respiratory protection. Filter A/P2.

**Thermal hazards:** No data available.

**Hygiene measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Environmental Controls:** No data available.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**9.1 Information on basic physical and chemical properties**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not applicable for mixtures
<b>pH:</b>	Not applicable
<b>Freezing point:</b>	Not applicable for mixtures

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<b>Boiling Point:</b>	> 175 °C
<b>Flash Point:</b>	> 60 °C (DIN EN ISO 2719)
<b>Evaporation Rate:</b>	Not applicable for mixtures
<b>Flammability (solid, gas):</b>	Value not relevant for classification
<b>Flammability Limit - Upper (%)–:</b>	Not applicable for mixtures
<b>Flammability Limit - Lower (%)–:</b>	Not applicable for mixtures
<b>Vapor pressure:</b>	Not applicable for mixtures
<b>Vapor density (air=1):</b>	Not applicable for mixtures
<b>Density:</b>	0.76 g/cm <sup>3</sup> (15 °C) (DIN 51757)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	The product is insoluble in water.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable for mixtures
<b>Autoignition Temperature:</b>	Value not relevant for classification
<b>Decomposition Temperature:</b>	Value not relevant for classification
<b>Kinematic viscosity:</b>	1.3 mm <sup>2</sup> /s (40 °C, DIN 51562)
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>9.2 Other information</b>	
<b>Minimum ignition temperature:</b>	265 °C (DIN 51794)

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal use conditions.
<b>10.2 Chemical Stability:</b>	Stable under normal use conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Stable under normal use conditions.
<b>10.4 Conditions to avoid:</b>	Stable under normal use conditions.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

## 11 TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

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**Product name:** Rivolta M.T.X. 100

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**Acute toxicity****Oral****Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**Hydrocarbons, low  
viscosity

LD 50 (Rat): &gt; 5,001 mg/kg (OECD 401)

Hydrocarbons, low  
viscosity

LD 50 (Rat): &gt; 10,000 mg/kg

Hydrocarbons, low  
viscosity

LD 50 (Rat): &gt; 5,000 mg/kg (OECD 401)

**Dermal****Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**Hydrocarbons, low  
viscosity

LD 50 (Rabbit): &gt; 5,001 mg/kg (OECD 402)

Hydrocarbons, low  
viscosity

LD 50 (Rabbit): 3,160 mg/kg (OECD 402)

**Inhalation****Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**Hydrocarbons, low  
viscosity

LC 50 (Rat, 4 h): &gt; 5 mg/l

**Skin Corrosion/Irritation:****Product:**

Based on available data, the classification criteria are not met.

**Serious Eye Damage/Eye Irritation:****Product:**

Based on available data, the classification criteria are not met.

**Respiratory or Skin Sensitization:****Product:**

Skin sensitizer: Based on available data, the classification criteria are not met.

Respiratory sensitizer: Based on available data, the classification criteria are not met.

**Germ Cell Mutagenicity****Product:**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

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**Product:** Based on available data, the classification criteria are not met.

**IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**  
No carcinogenic components identified

**NTP: US. National Toxicology Program (NTP) Report on Carcinogens:**  
No carcinogenic components identified

**OSHAS: US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):**  
No carcinogenic components identified

**Reproductive toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are not met.

**Aspiration Hazard**

**Product:** May be fatal if swallowed and enters airways.

<b>12 ECOLOGICAL INFORMATION</b>
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**12.1 Toxicity**

**Acute toxicity**

**Product:** Based on available data, the classification criteria are not met.

**Fish**

**Specified substance(s)**

Hydrocarbons, low viscosity LC 50 (Fish, 96 h): > 1,000 mg/l

Hydrocarbons, low viscosity LC 50 (Fish, 96 h): > 101 mg/l

Hydrocarbons, low viscosity LC 50 (Fish, 96 h): > 1,000 mg/l (OECD 203)

**Aquatic Invertebrates**

**Specified substance(s)**

Hydrocarbons, low viscosity EC 50 (Water Flea, 48 h): > 1,000 mg/l

Hydrocarbons, low viscosity EC 50 (Water Flea, 48 h): > 1,000 mg/l (OECD 202)

**Chronic ToxicityProduct:** Based on available data, the classification criteria are not met.



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**Toxicity to Aquatic Plants**
**Specified substance(s)**

Hydrocarbons, low viscosity      EC 50 (Alga, 72 h): &gt; 1,001 mg/l

Hydrocarbons, low viscosity      EC 50 (Alga, 72 h): &gt; 1,000 mg/l (OECD 201)

**12.2 Persistence and Degradability**
**Biodegradation**
**Product:** Not applicable for mixtures

**Specified substance(s)**

Hydrocarbons, low viscosity      31 % (28 d, OECD 301F) Not readily degradable.

**12.3 Bioaccumulative potential**
**Product:** Not applicable for mixtures

**12.4 Mobility in soil:**
**Product:** Not applicable for mixtures

**12.5 Results of PBT and vPvB assessment:**

The product does not contain any substances fulfilling the PBT/vPvB criteria.

**12.6 Other adverse effects:** No data available.

<b>13 Disposal considerations</b>
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**13.1 Waste treatment methods**
**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws.

<b>14 TRANSPORT INFORMATION</b>
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**DOT**

14.1 UN Number:	NA 1993
14.2 Proper Shipping Name:	Combustible liquid, n.o.s.(Hydrocarbons, low viscosity)
14.3 Transport Hazard Class(es):	CBL
14.4 Subsidiary risk label:	—
14.5 Packing Group:	III
14.6 Label(s):	NONE

**IMDG - International Maritime Dangerous Goods Code**

Not regulated.

**IATA**

Not regulated.

<b>15 REGULATORY INFORMATION</b>
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**Product name:** Rivolta M.T.X. 100

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**US Federal Regulations****US State Regulations****Inventory Status**

DSL	On or in compliance with the inventory
NDSL	Not in compliance with the inventory.
TSCA	On or in compliance with the inventory

**16 OTHER INFORMATION**

**Revision Information:** Vertical lines in the margin indicate an amendment.

**Wording of the H-statements in section 2 and 3**

H227	Combustible liquid.
H304	May be fatal if swallowed and enters airways.
H413	May cause long lasting harmful effects to aquatic life.

**Revision Date:** 24.04.2020

**Disclaimer:** The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.