

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: Rivolta M.T.X. 60 forte

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 / Supplier

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

Telephone:

+49 (0)203 / 9923-0

Fax:

+49 (0)203 / 25901

US Distributor

Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426
(708) 333-8900
(800) 255-3924 24 hrs Emergency

Contact Person:

E-mail:

Bremer & Leguil GmbH - Product Safety Management
product-safety-management@bremer-leguil.de

1.4 Emergency telephone number:

+49 (0) 6131 / 19240 (Giftinformationszentrum Mainz)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

|| The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Aspiration Hazard

Category 1

H304: May be fatal if swallowed and enters airways.

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. 60 forte

2.2 Label Elements

Contains: Hydrocarbons, low viscous



Signal Words: Danger

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

Precautionary Statement

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

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.

Supplemental label information

EUH066: Repeated exposure may cause skin dryness or cracking.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Hydrocarbons, low viscous	EC: 918-167-1	50,00 - <100,00%	01-2119472146-39	
Glycol derivative	EINECS: 203-961-6	1,00 - <5,00%	01-2119475104-44	
Dipropylene glycol methyl ether, mixed isomers	EINECS: 252-104-2	1,00 - <5,00%	01-2119450011-60	

* 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.

Product name: Rivolta M.T.X. 60 forte

Classification

Chemical name	Identifier	Classification
Hydrocarbons, low viscous	EC: 918-167-1	CLP: Asp. Tox. 1;H304
Glycol derivative	EINECS: 203-961-6	CLP: Eye Irrit. 2;H319
Dipropylene glycol methyl ether, mixed isomers	EINECS: 252-104-2	CLP:

CLP: Regulation No. 1272/2008.

For the wording of the listed risk phrases refer to section 16.

SECTION 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: CO₂, 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

Product name: Rivolta M.T.X. 60 forte

Special fire fighting procedures:

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.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

In case of spills, beware of slippery floors and surfaces. Keep away from sources of ignition - No smoking.

6.2 Environmental Precautions:

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.

6.3 Methods and material for containment and cleaning up:

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.

6.4 Reference to other sections:

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:

7.1 Precautions for safe handling:

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.

7.2 Conditions for safe storage, including any incompatibilities:

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.

7.3 Specific end use(s):

not applicable

Storage Class:

10, Combustible liquids

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
---------------	------	-----------------------	--------

Product name: Rivolta M.T.X. 60 forte

Hydrocarbons, low viscous	AGW	600 mg/m3	Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG) (2011)
Glycol derivative - Vapor and aerosol.	AGW	10 ppm 67 mg/m3	Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace (04 2014)
Dipropylene glycol methyl ether, mixed isomers - Vapor and aerosol.	AGW	50 ppm 310 mg/m3	Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace (09 2013)

8.2 Exposure controls

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:

Safety glasses (EN 166) recommended during refilling.

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR). 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:

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

Thermal hazards:

Not known.

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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Product name: Rivolta M.T.X. 60 forte

Physical state:	liquid
Form:	liquid
Color:	Colorless
Odor:	Slight
Odor Threshold:	Not applicable for mixtures
pH:	not applicable
Freezing point:	Not applicable for mixtures
Boiling Point:	> 175 °C
Flash Point:	> 60 °C (DIN EN ISO 2719)
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability Limit - Upper (%)—:	Not applicable for mixtures
Flammability Limit - Lower (%)—:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Vapor density (air=1):	Not applicable for mixtures
Density:	0,76 g/cm ³ (15 °C) (DIN 51757)
Solubility(ies)	
Solubility in Water:	The product is insoluble in water.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
Kinematic viscosity:	1,2 mm ² /s (40 °C, DIN 51562)
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
9.2 Other information	
Minimum ignition temperature:	265 °C (DIN 51794)

SECTION 10: Stability and reactivity

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

Product name: Rivolta M.T.X. 60 forte

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Glycol derivative LD 50 (Rat): 3.384 mg/kg

Dipropylene glycol methyl ether, mixed isomers LD 50 (Rat): 5.135 mg/kg

Dermal

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Glycol derivative LD 50 (Rabbit): 2.700 mg/kg

Dipropylene glycol methyl ether, mixed isomers LD 50 (Rat): 9.500 mg/kg

Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Glycol derivative No data available.

Dipropylene glycol methyl ether, mixed isomers No data available.

Repeated dose toxicity

Product:

No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Glycol derivative No data available.

Dipropylene glycol methyl ether, mixed isomers No data available.

Skin Corrosion/Irritation:

Product:

No data available.

Product name: Rivolta M.T.X. 60 forte

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

In vivo

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Product name: Rivolta M.T.X. 60 forte

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Aspiration Hazard

Product: May be fatal if swallowed and enters airways.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Other Adverse Effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Product name: Rivolta M.T.X. 60 forte

Fish

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	LC 50 (Fish, 96 h): 1.300 mg/l
Dipropylene glycol methyl ether, mixed isomers	LC 50 (Fish, 96 h): > 1.000 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	EC 50 (Water Flea, 48 h): > 101 mg/l
Dipropylene glycol methyl ether, mixed isomers	EC 50 (Water Flea, 48 h): 1.919 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	No data available.
Dipropylene glycol methyl ether, mixed isomers	No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous	No data available.
Glycol derivative	EC 50 (Alga, 96 h): > 101 mg/l
Dipropylene glycol methyl ether, mixed isomers	No data available.

12.2 Persistence and Degradability

Product name: Rivolta M.T.X. 60 forte

Biodegradation

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Glycol derivative No data available.

Dipropylene glycol methyl ether, mixed isomers 75 % (28 d, OECD 301F) Readily biodegradable

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Hydrocarbons, low viscous No data available.

Glycol derivative No data available.

Dipropylene glycol methyl ether, mixed isomers No data available.

12.4 Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Hydrocarbons, low viscous No data available.

Glycol derivative No data available.

Dipropylene glycol methyl ether, mixed isomers No data available.

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.

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

SECTION 13: Disposal considerations

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.

European Waste Codes

14 06 03*: other solvents and solvent mixtures

Product name: Rivolta M.T.X. 60 forte

SECTION 14: Transport information

ADR/RID

14.1 UN Number:	—
14.2 UN Proper Shipping Name:	—
14.3 Transport Hazard Class(es)	
Class:	Non-dangerous goods
Label(s):	—
Hazard No. (ADR):	—
Tunnel restriction code:	—
14.4 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

IMDG

14.1 UN Number:	—
14.2 UN Proper Shipping Name:	—
14.3 Transport Hazard Class(es)	
Class:	Non-dangerous goods
Label(s):	—
EmS No.:	—
14.3 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

IATA

14.1 UN Number:	—
14.2 Proper Shipping Name:	—
14.3 Transport Hazard Class(es):	
Class:	Non-dangerous goods
Label(s):	—
14.4 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

National Regulations

Water Hazard Class (WGK): WGK 1: slightly water-endangering.

Product name: Rivolta M.T.X. 60 forte

**15.2 Chemical safety
assessment:**

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information:

Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.

Other information:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

Revision Date:

16.02.2016

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.