

MATERIAL SAFETY DATA SHEET

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According to 91/155 EEC

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1 Identification of substance

Product details:

Trade name:

TCE – GREASE 800

Application of the substance / the preparation:

GREASE

Manufacturer / Supplier:

JOST CHEMICALS GmbH

Gottlieb-Daimler-Strasse 10

D-69514 Laudenbach

GERMANY

Phone: ++49(0)6201 / 42810

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2 Composition / Data on components

Chemical characterization

Description: Preparation of organic thickener in synthetic oil with additives.

Dangerous components: Void

3 Hazards identification

Not applicable

Hazard designation: Void

Information pertaining to particular dangers for man and environment: void

Classification system:

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.

Additional information:

Please take care of the precautions for the treatment of fluorine containing products. Dangerous decomposition products may be formed at temperatures exceeding 300°C.

4 First aid measures

After inhalation: Supply fresh air

After skin contact: Wash with water and soap and rinse thoroughly

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor

After swallowing: Seek medical treatment

5 Fire fighting measures

Suitable extinguishing agents:

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with a full water jet

Special hazards caused by the material, its products of combustion or flue gases:

Carbon monoxide (CO) and carbon dioxide (CO₂)

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.: Hydrogen fluoride (HF)

Protective equipment:

Do not inhale explosion gases or combustion gases.

Wear self-contained breathing apparatus.

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6 Accidental release measures

Person-related safety precautions: *Particular danger of slipping on leaked/spilled product.*

Measures for environmental protection: *Do not allow product to reach sewage system or water bodies.*

Measures for cleaning/collecting: *Absorb with liquid-binding material (sand, diatomite, acid binders, sawdust).*

Additional information: *No dangerous materials are released.*

7 Handling and storage

Handling

Information for safe handling: *Do not smoke when handling the product. No special measures required.*

Information about protection against explosions and fires: *No special measures required.*

Storage

Requirements to be met by storerooms and containers: *Store only in the original container.*

Information about storage in one common storage facility: *Store away from oxidizing agents.*

Further information about storage conditions: *None*

Recommended storage temperature: *Room temperature*

8 Exposure controls and personal protection

Additional information about design of technical systems: *No further data; see item 7.*

Components with critical 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.

Personal protective equipment

General protective and hygienic measures: *The usual precautionary measures should be adhered to when handling the lubricant.*

Breathing equipment: *Not required*

Protection of hands: *Protective gloves*

Material of gloves: *Nitrile rubber, NBR*

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.*

Not suitable are gloves made of the following materials: *Leather gloves, strong gloves*

Eye protection: *Safety glasses recommended during refilling.*

Body protection: *Protective work clothing.*

9 Physical and chemical properties

General Information

Form: *Paste*
Colour: *White*
Smell: *Odourless*

Change in condition

Melting point / Melting range: *Not determined*
Boiling point / Boiling range: *Not determined*
Flash point: *Not applicable*
Ignition temperature: *Not determined*
Self-inflammability: *Product is not self igniting*
Danger of explosion: *Product is not explosive*
Density: *Not determined*
Solubility in / Miscibility with
Water: *Not mixable or difficult to mix*

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10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions:

Reacts with alkaline metals

Reacts with oxygen

Dangerous products of decomposition:

Danger of toxic fluorine based pyrolysis products

Carbon monoxide and carbon dioxide

11 Toxicological information

Acute toxicity

Primary irritant effect:

On the skin: *No irritant effect*

On the eye: *No irritant effect*

Sensitization: *No sensitizing effect known*

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

Information about elimination (persistence and degradability):

Other information:

The product is slightly biodegradable

General notes:

Do not allow product to reach ground water, water bodies or sewage system.

13 Disposal considerations

Product

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

Land transport ADR/RID and GGVS/E:

No dangerous good

Maritime transport IMDG:

No dangerous good

Marine pollutant:

No

Air transport ICAO-TI and IATA-DGR:

No dangerous good

Transport / additional information:

Not dangerous according to the above specifications

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15 Regulatory information

Designation according to EC guidelines:

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

National regulations

Water hazard class: *Water hazard class 1 (Self-assessment): Slightly hazardous for water.*

16 Other information

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