

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 11.02.2010

Revision: 11.02.2010

1 Identification of substance/preparation and of the company/undertaking:

Product details:**Trade name:** **8615 Super Thermal Grease****Application of the substance / the preparation** Improving electrical connections**Supplier/Manufacturer:**MG Chemicals
9347 - 193rd Street
Surrey, B.C., Canada
V4N 4E7

1-800-201-8822 - 0

1-604-888-3084 - 0

Distributor:Solid State Supplies Ltd.
Eastlands Lane
Paddock Wood
Kent, TN12 6BU
United Kingdom
Telephone: +44 (0) 1892 836836

www.sssp.com

Email competent person: sonja.fischer@kft.de**Information department:**

Technical Support: Phone 1-604-888-3084 - 128

For updates on this SDS please download from www.mgchemicals.com**Emergency information:** National Poisons Information Centre Tel.: +44 (0)870 6006266

2 Hazards identification

Hazard description:

Xi Irritant

Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EC" in the latest valid version.

R 36/37 Irritating to eyes and respiratory system.

Classification system:

The classification was made according to the latest editions of the EC-lists, and expanded using company data and specialized literature.

GHS label elements

Warning

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Prevention:

P280 Wear protective gloves and eye protection.

Response:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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- **Disposal:**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition/information on ingredients


- **Chemical characterization**


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

- **Dangerous components:**

CAS: 10043-11-5 boron nitride

36-41%

EINECS: 233-136-6  Xi; R 36/37

Warning:  3.3/2, 3.8/3

- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information:**

Remove affected persons from danger area and lay them down.

If symptoms persist or in case of doubt seek medical advice.

- **After inhalation:**

Inhalation of product in this form is unlikely. However, under certain conditions forming of noxious gases is possible. In this case: take affected person into fresh air, keep warm and call for a doctor.

- **After skin contact:**

Wash with water and soap.

If symptoms persist consult a doctor.

- **After eye contact:**

Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult a doctor or better an eye specialist.

- **After swallowing:**

Rather unlikely if used appropriately.

Do not induce vomiting.

If symptoms persist consult doctor.

- **Information for doctor:**

- **The following symptoms may occur:**

Irritation of eyes and mucous membrane.

After contact with vapours:

irritant effect on the respiratory tract

- **Treatment:** Symptomatic treatment

5 Fire fighting measures

- **Suitable extinguishing agents:**

Water jet spray

Foam

Fire-extinguishing powder

Carbon dioxide (CO₂)

Use fire fighting measures that suit the environment.

- **For safety reasons unsuitable extinguishing agents:** Direct jet water

- **Special hazards caused by the material, its products of combustion or resulting gases:**

Dangerous decomposition product see chapter 10: stability and reactivity

- **Protective equipment:** Wear self-contained respiratory protective device.

- **Additional information:**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

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6 Accidental release measures

- **Person-related safety precautions:**
Do not smoke - keep ignition sources away
Avoid contact with eyes and skin.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to penetrate the ground/soil.
In case of seepage into the ground inform responsible authorities.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
Dispose contaminated material as waste according to item 13.
- **Additional information:**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
Avoid contact with eyes and skin.
Avoid inhalation of vapours formed by heated product.
- **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges

- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store cool and dry in a well ventilated area.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from feed.
Do not store together with oxidizing agents
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class** 11 Combustible solids

8 Exposure controls and personal protection

- **Additional information about design of technical systems:**
Mechanically ventilation/exhaustion is strongly recommended.
No further data; see item 7.
- **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.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

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Provide eye bath.

- **Breathing equipment:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**

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:**

For undissolved solid substances following materials may be suitable:

Nitrile rubber (NBR), Butyl rubber (BR), Fluorocarbon rubber (FKM) and Polychloroprene rubber (CR).

The selection of suitable depends upon the material, and also upon the quality of the gloves. The degree of protection will vary 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 penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Tightly sealed goggles.

- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- **General Information**

Form:	Paste
Colour:	White
Odour:	Odourless

- **Change in condition:**

Melting point/Melting range: not determined

Boiling point/Boiling range: not determined

- **Flash point:** 163°C

- **Ignition temperature:** > 315°C

- **Self ignition temperature:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density:** 1.2 g/cm³

- **Solubility in / Miscibility with**

Water: Insoluble

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**

To avoid thermal decomposition do not overheat.

No decomposition if used and stored according to specifications.

- **Materials to be avoided:** Oxidants

- **Dangerous reactions:** No dangerous reactions known

- **Dangerous products of decomposition:**

In the case of fire or at high temperatures the formation of the following decomposition products is possible.

Carbon monoxide and carbon dioxide

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11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
 - 10043-11-5 boron nitride**
 - Oral LD > 50000 mg/kg (rat)
 - Dermal LD > 20000 mg/kg (rabbit)
- **Primary irritant effect:**
 - **on the skin:** May cause irritation to the skin.
 - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

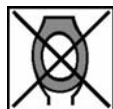
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant
Irritation of respiratory tract

12 Ecological information

- **Ecotoxicological effects:**
- **Aquatic toxicity:** Presently there are no ecotoxicological values available.
- **General notes:**


Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)



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

Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

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

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
No hazardous good according to the regulation.
- **Maritime transport IMDG:**
- **IMDG Class:** -
No hazardous good according to the regulation.
- **Marine pollutant:** No

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- **Air transport ICAO-TI and IATA-DGR:**
 - **ICAO/IATA Class:** -
No hazardous good according to the regulation.
 - **UN "Model Regulation":** -
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15 Regulatory information:

- **Markings according to EC guidelines:**
The product has been classified and marked in accordance with EC Directives / Ordinance on Hazardous Materials
 - **Code letter and hazard designation of product:**
 Xi Irritant
 - **Risk phrases:**
36/37 Irritating to eyes and respiratory system.
 - **Safety phrases:**
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36 Wear suitable protective clothing.
60 This material and its container must be disposed of as hazardous waste.
 - **Special labelling of certain preparations:**
The labelling may be reduced according to directive 1999/45 EG Art.10 (4).
The labelling may be reduced according to EU-directive 2008/1272 Appendix 1 1.5.2.
 - **National regulations**
 - **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
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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.

- **Relevant R-phrases:**
36/37 Irritating to eyes and respiratory system.
- **Department issuing MSDS:**
KFT Chemieservice GmbH
Im Leuschnerpark. 3 D-64347 Griesheim
Postfach 1451 D-64345 Griesheim
- Tel.: +49 6155 86829-0 Fax: +49 6155 86829-25
Safety Data Sheet Service: +49 6155 86829-22
- **Contact:** Dr. Sonja Fischer
- **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent

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· **Sources:**

ESIS (European existing Substances Information System)
OECD Screening Information Data Sets (SIDS)
MSDS of the manufacturer

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