

SAFETY DATA SHEET

MIRR Calcium Sulfonate Complex Grease

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

IDENTIFICATION OF THE PREPARATION:

CHEMICAL FAMILY: **LUBRICATING GREASE**

SUPPLIER: **GERMAN MIRROR LUBRICANTS & GREASES**
P.O. BOX 42045
OM SHARJAH HAMIRIYAH FREE ZONE U.A.E.

This safety SDS has been printed in the English language and meets EU safety Data Sheet requirements for this product. No country specific information is included.

2. COMPOSITION/ INFORMATION ON INGREDIENTS

HEALTH HAZARDOUS COMPONENTS	SYMBOL/R-PHRASE OR OEL	WT%
Base oil		79 - 88 %
Additives		2 - 5 %
Thickener		10 - 16 %

3. HAZARDS IDENTIFICATION

This product is classified as non dangerous, according to Directive 1999/45/EC or 67/548/EEC (see section 15)

EYE CONTACT

Slightly irritating on direct contact

SKIN CONTACT

Low order of toxicity. Prolonged or repeated contact may result in the defatting of skin, leading to irritation and possibly dermatitis.

INHALATION

Product has low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent misting of this product.

INGESTION

Minimal toxicity

4. FIRST AID MEASURES

INHALATION

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

SKIN CONTACT

Immediately flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, after flushing has begun.

If irritation persists, get medical attention.

EYE CONTACT

Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.

INGESTION

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

5. FIRE FIGHTING MEASURES

FIRE FIGHTING PROCEDURES:

Use water spray to cool fire exposed surfaces and to protect personnel. Shut off "fuel" to fire.

Use Foam, dry chemical, or carbon dioxide to extinguish fire.

SPECIAL FIRE PRECAUTIONS:

Respiratory and eye protection required for firefighting personnel.

Avoid spraying water directly into storage containers to danger of boil over.

See also Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY"

HAZARDOUS COMBUSTION PRODUCTS:

Fumes, smoke, carbon Dioxide (CO²) and carbon monoxide (CO)

6. ACCIDENTAL RELEASE MEASURES

LAND SPILL

Grease spilled with sand or earth.

Recover by whipping or with a suitable absorbent. Scrape up with shovels or pails and place in suitable containers for recycle or disposal.

Consult an expert on disposal regulations.

See Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

WATER SPILL

Warn other shipping. Notify port or relevant authority and keep public away. Shut off source if possible to do so without hazard.

Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.

See Section 4 "FIRST AID MEASURES" as well as Section 10 "STABILITY AND REACTIVITY".

7. HANDLING AND STORAGE

STORAGE TEMP : 60.0°C Maximum

USUAL SHIPPING CONTAINERS : Tank cars, Drums

MATERIALS AND COATINGS SUITABLE : Carbon Steel, Stainless Steel

MATERIALS AND COATINGS UNSUITABLE: Low density polyethylene, Natural and butyl rubbers, Butadiene/Styrene rubbers.

Compatibility with plastic materials can vary; we therefore recommend that compatibility is tested prior to use.

STORAGE/ HANDLING, GENERAL NOTES

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated place away from incompatible materials.

Do not handle, store or open near an open flame, sources of heat or sources of ignition protect material from direct sunlight.

Material will accumulate static charges which may cause electrical spark (ignition source). Use proper bonding and /or grounding procedures.

DO NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. DO NOT reuse empty containers without commercial cleaning or reconditioning.

ADDITIONAL WARNINGS

Container remains hazardous when empty. Continue to observe all precautions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES/VENTILATION

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a lab hood. Provide mechanical ventilation of confined spaces.

PERSONAL PROTECTION

GENERAL ADVICE

The use and choice of personal protection equipment is related to the hazard of the product, the workplace, and the way the product is handled. In general, we recommend as a minimum safety precaution that safety glasses with a side Shields and work clothes protecting arms, legs and body be used. In addition, any person visiting an area where this product is handled or processed should at least wear safety-glasses with side shields.

RESPIRATORY PROTECTION

Where concentration in air may exceed the limits given in this section, it is recommended to use a half face filter mask to protect from over exposure by inhalation. Suitable Filter Material depends on the amount and type of chemicals being handled in the workplace, but filter material of type "A" or similar may be considered for use.

HAND PROTECTION

When handling this product, it is recommended to wear chemical resistant gauntlets. The choice of suitable protective gloves depends on work conditions and what chemicals are handled.

EYE PROTECTION

When handling this product, it is recommended to wear splash resistant goggles and face shield.

SKIN/BODY PROTECTION

When handling this product, it is recommended to wear a chemical resistant apron, jacket, and rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

These are indicative values only. Please refer also to the product specification sheet.

PHYSICAL STATE	: Semi Solid
COLOUR	: dark brown
ODOR	: oil-like
Initial boiling point and range	: >250°C
Flash Point	: >250°C

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION	: No
STABILITY	: STABLE

11. TOXICOLOGICAL INFORMATION

ACUTE INHALATION:

Negligible hazard at ambient (-18 to 38°C) or recommend blending temperature.

SKIN CONTACT

Low order of toxicity.

Frequent or prolonged contact may cause mild skin discomfort.

EYE CONTACT

Severely irritating if not removed promptly.

INGESTION

Minimal toxicity.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL MOBILITY

This is a preparation and environmental assessment is based on component data and that of similar products. A hydrocarbon solvent of this preparation is relatively volatile and will evaporate from water and soil over the course of a few days.

ENVIRONMENTAL DEGRADABILITY

This preparation is not expected to be “readily” biodegradable.

ECOTOXICITY AND BIOACCUMULATION

Long term adverse effects to aquatic are possible if continuous exposure is maintained.

13. DISPOSAL CONSIDERATIONS

The following advice only applies to the product as supplied. Combination with other materials may well indicate route of disposal.

14. TRANSPORT INFORMATION :

Land: This product is not regulated for road /rail transport

Inland waterways: This product is not regulated for inland waterways transport

Sea: This product is not regulated for sea transport

Air: This product is not regulated for air transport

15. REGULATORY INFORMATION:

Classification /Symbol: Not regulated

16. OTHER INFORMATION:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process The information and recommendations contained herein are to the best of German Mirror’s knowledge and belief accurate and reliable as of the date indicated . German Mirror shall not be liable for any loss, damage or injury that may occur from the use of this information.