

Safety Data Sheet

acc. to OSHA HCS

Printing date 04/21/2021

Version number 2.0

Reviewed on 04/19/2021

1 Identification

- **Product identifier**
- **Trade name:** WABCO EaseTec™ M8
- **Article number:** 8999400014
- **Application of the substance / the mixture** Grease
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
ZF CV Systems North America LLC
1220 Pacific Drive, Auburn Hills,
MI 48326, USA
Phone +1 248-270-9300
- **Manufacturer/Supplier:**
WABCO USA LLC
1220 Pacific Drive, Auburn Hills,
MI 48326, USA
Phone +1 248-270-9300
- **Information department:**
Information available by telephone number for respective country given above.
- **Emergency telephone number:** Engineered Custom Lubricants Phone: +1 734-451-2800

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
P264 Wash face, hands and any exposed skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
- **Additional information:** Causes mild skin irritation.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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3 Composition/information on ingredients

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

- **Dangerous components:**

1317-33-5	molybdenum disulphide	≥10-<25%
26264-06-2	calcium dodecylbenzenesulfonate	≥1-<3%

- **Additional information:**

For the wording of the listed hazard phrases refer to section 16.
The exact percentage of the composition has been withheld due to trade secret.

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Contaminated work clothing should not be allowed out of the workplace.
Wash contaminated clothing before reuse.
- **After inhalation:**
Take affected persons into fresh air and keep at rest.
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
In case of permanent aches and pains please go and see the doctor.
- **After swallowing:**
Do not induce vomiting without medical advice.
If symptoms persist consult doctor.
- **Information for doctor:** Treat symptoms.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO₂, Foam, Fire-extinguishing powder.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation

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Avoid contact with eyes and skin.

Observe information for safe handling (item 7) and personal protective equipment (item 8).

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, universal binders) and disposal in suitable containers.

· **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· **Protective Action Criteria for Chemicals**

· **PAC-1:**

1317-33-5	molybdenum disulphide	50 mg/m ³
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· **PAC-2:**

1317-33-5	molybdenum disulphide	260 mg/m ³
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· **PAC-3:**

1317-33-5	molybdenum disulphide	1,600 mg/m ³
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7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Avoid contact with eyes and skin.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Keep away from heat and direct sunlight.

Store in a well-ventilated place.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

· **Further information about storage conditions:**

Shelf life 24 months

Storage between 4 and 37 °C.

Storage between 40 to 100 °F.

· **Storage class:** 11

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

1317-33-5 molybdenum disulphide

PEL	Long-term value: 15* mg/m ³
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*Total dust, as Mo

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TLV	Long-term value: 10* 3** mg/m ³ as Mo; *inhalable fraction ** respirable fraction
1305-62-0 calcium dihydroxide	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 5 mg/m ³
TLV	Long-term value: 5 mg/m ³
471-34-1 calcium carbonate	
PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	TLV withdrawn

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
- **Breathing equipment:**
In case of insufficient removal by suction or longer inhalation a breathing protection is required.
- **Protection of hands:**
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Penetration time of glove material**
The exact break trough 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
- **Limitation and supervision of exposure into the environment**
May not reach the effluents.
Collect product and dispose with accredited waste management company.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Pasty
Color:	Dark grey
Odor:	Characteristic

- **pH-value:** Not applicable.

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

- **Flash point:** >260 °C (>500 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

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

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· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	0.975 g/cm ³ (8.13638 lbs/gal)
· Bulk density:	975 kg/m ³
· Relative density	Not determined.
· Solubility in / Miscibility with Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined. Not applicable.
Kinematic at 40 °C (104 °F):	460 mm ² /s
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Store away from oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

26264-06-2 calcium dodecylbenzenesulfonate

Oral	LD50	1,086-1,980 mg/kg (Rat)
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1317-33-5 molybdenum disulphide

Inhalative	LC50/4 h	>2,820 ppm (Rat)
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- **Primary irritant effect:**

- **on the skin:** More frequent and continuous contact with the skin may result in irritation of the skin.
- **on the eye:** Irritating effect.

- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

26264-06-2 calcium dodecylbenzenesulfonate	
LC50 (96 h)	10.8 mg/l (fish)

- **Persistence and degradability** No further relevant information available.

- **Behavior in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The waste code numbers mentioned are recommendations based on the probable use of the product.

- **Uncleaned packagings:**

- **Recommendation:**

Packaging can be reused or recycled after cleaning.

Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, ADR/RID/ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, IMDG, IATA** Void

- **ADR/RID/ADN** Void

- **Transport hazard class(es)**

- **DOT, ADR/RID/ADN, ADN, IMDG, IATA**

- **Class** Void

- **Packing group**

- **DOT, ADR/RID/ADN, IMDG, IATA** Void

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Not applicable.

- **Transport in bulk according to Annex II of**

MARPOL73/78 and the IBC Code Not applicable.

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· UN "Model Regulation": Void

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogen categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **AGW (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

H319 Causes serious eye irritation.

· **Precautionary statements**

P264 Wash face, hands and any exposed skin thoroughly after handling.

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P280 *Wear protective gloves/protective clothing/eye protection/face protection.*

P305+P351+P338 *If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

P337+P313 *If eye irritation persists: Get medical advice/attention.*

· **National regulations:**

· **Comprehensive Environmental Response, Compensation and Liability Act (CERLA; 42 U.S.C. 9601 et seq)**

The substance Calcium dodecylbenzene sulfonate is listed with a reportable quantity (RQ) of: 1000 pounds (453 kilograms).

· **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

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.

· **Department issuing SDS:**

The safety data sheets were drawn up in cooperation with the Umweltkanzlei Dr. Rhein Beratungs- und Prüfgesellschaft mbH, Phone: +49(0)511-228514-0.

· **Contact:**

· **Date of preparation / last revision** 04/21/2021 / 1.2

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

· *** Data compared to the previous version altered.**