



Safety Data Sheet

based on (EC) no. 1907/2006 (REACH)

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1. Designation of the substance / preparation and company

Designation / Preparation

Product: Mechanical Fasteners (Bolts, Screws, Rivets, Nuts) made of metal

Company

EJOT GmbH & Co.KG
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57319 Bad Berleburg

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Information

Subcommittee *Arbeits- und Umweltschutz* in the German Fasteners Association e.V.
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2. Composition / Information on Ingredients

2.1 Description of the ingredients and of their concentration

Fasteners are made of iron, non-ferrous metals and their alloys. The materials are subject to national/international standards and are in the sense of the directive on hazardous substances (GefStoffVO) no dangerous materials

2.1.1 Coating

2.1.1.1 Coating by lubricating with oil

Only oils are used, to which a safety data sheet (SDB) is present. Details can be learned from this safety data sheet.

2.1.1.2 Coating by heat treatment

Only quenchants are used, to which a safety data sheet is present. Details can be learned from this safety data sheet.

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2.1.1.3 Burnishing according to DIN 50942

Only burnishing agents are used, to which a safety data sheet is present. Details can be learned from these data sheet.

2.1.1.4 Phosphate conversion according to DIN 12476

Only phosphating agents are used, to which a safety data sheet will be used. Details can be learned from these data sheets..

2.1.1.5 Hot-dip galvanization according to DIN EN ISO 10684 and DIN EN ISO 1461

Products have a hot-dip applied pure zinc coating. Datasheet for zinc according to DIN EN 1179 is available.

2.1.1.6 Other Corrosion Inhibiting Coatings

Anti-corrosive coatings are applied considering the laws to the prohibition by dangerous materials. The contents materials and their portions are deposited in the international one electronic materials date system (IMDS). To the contents materials the respective safety data sheet applies.

3. Potential hazards

Description of hazards: not applicable

Special warnings for people and environment: not applicable

4. First aid measures

not applicable

5. Fire-fighting measures

not applicable

6. Accidental release measures

Personal precautions:

The safety data sheet relevant for oiled or greased fasteners has to be used in each case.

Environmental measures:

see above

Cleaning measures:

see above

7. Handling and Storage

7.1 Handling:

Use impervious gloves when handling with oiled or greased fasteners.

7.2 Storage:

Protect against dust and moisture

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8. Exposure controls / personal protection

8.1 Exposure limit values:

not applicable

8.2 Exposure limit and controls

8.2.1 Exposure limit and controls at work:

The product does not contain relevant quantities of materials with workstation-furnished limit values which shall be supervised

8.2.1.1 Respiratory protection: not required

8.2.1.2 Hand protection: Recommended when using oiled fasteners

8.2.1.3 Eye protection: not required

8.2.1.4 Body protection: not required

8.2.2 Limit and environmental exposure control: not required

9. Physical and chemical properties

9.1 General information

Form: usually cylindrically

Colour: metallically shining

Odour: usually without, however mineral oil-typically with oiled fasteners

9.2 Important health, safety and environmental information

pH Value : not applicable

Boiling point / boiling range: not applicable

Flammability: not applicable

Explosion hazard none

Oxidising attributs: none

Vapour pressure: not applicable

Density: not applicable

Solubility: not applicable

- water solubility

- grease solubility

Verteilerkoeffizient: not applicable

Viscosity: not applicable

Vapour density: not applicable

Vapour velocity

Other information: none

10. Stability and reactivity

not applicable

Hazardous decomposition products none



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11. Toxicological information

Fasteners are toxicological harmless after our knowledge.
The data sheet relevant for oiled fasteners has to be used.

12. Ecological information

The data sheet relevant for oiled fasteners has to be used.

13. Advice on disposal

Product:
Advice:

Recycling is preferred to disposal.
Contaminated packaging:

Advice:
Disposal in compliance with regulations of local authorities.

14. Transport information

Land transport ADR/RID and GGVS/GGVE (transboundary/inland)

ADR/RID-GGVS/class:

Marine transport IMDG/GGVSee

IMDG/GGVmarine class:

Air transport ICAO-TI and IATA-DGR

ICAO/IATA-class:

Not dangerous goods after the above mentioned regulations in reflects the hazardous substances regulation.

15. Regulatory information

Labelling according to EG guidelines:
Product has not to be labelled.

Water contamination class:

Not applicable. The data sheet relevant for oiled or greased fasteners has to be used.

16. Other information

The information is based on present level of our knowledge and experience. It does not, however, give assurance of product properties. The receiver of the products is singularly responsible for adhering laws and regulations.

End of the text