



LAMP SAFETY DATA SHEET

Automotive Halogen Bulbs & Signaling Bulbs

1. Introduction

ULTINON MOTION is strongly dedicated to environmental issues.

Procedures are installed to avoid hazardous substances in products and processes, already beginning in the development phase. All applicable legal requirements (RoHS, GADSL, ELV and others) are fulfilled.

The purpose of this document is to provide informations for the safe handling of Automotive Halogen and Signaling Lamps. This document is based on the structure of the Material Safety Datasheet (MSDS).

The Material Safety Data Sheet (MSDS) requirements of the Occupational Safety and Health Administration (OSHA) for chemicals are not applicable to manufactured articles such as lamps. No material contained in a lamp is released during normal use and operation.

2. Supplier Information

ULTINON MOTION Germany GmbH

Business Center Automotive

3. Composition / Information on Ingredients

Chemical Composition: Glass (different sorts), Plastics (e.g. PPS, PA66), Metals (Tungsten, Molybdenum, Steel, Brass, Nickel), Noble Gases (Xenon, Krypton, Argon), Coatings (light absorption or modification)



Hazardous materials contained: No hazardous materials are intentionally used for these products. All relevant substances possibly contained in raw materials as contaminants are under the allowed limits of the RoHS regulation.

4. Hazards identification

- Halogen bulbs are high pressure vessels. Please avoid mechanical impact on the glass surface. Please wear safety glasses.
 - Halogen and signaling bulbs reach high temperatures under operation. Do not touch a burning bulb.
 - If a halogen or signaling bulb is broken, do not touch the glass with bare fingers.
 - Keep away from children. Danger of ingestion and injuries.
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5. First aid measures

- General: No toxic components / ingredients.
- After skin contact with hot bulb (Erythema): Cool affected areas with cold water.

Consult medical help.

- After eye contact: Instantly call for medical support.
 - After ingestion: do not induce vomiting, call for medical support.
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6. Fire fighting measures

- Suitable extinguisher: carbon dioxide foam, multipurpose or specific dry powder. Do not use water.



- Exposure hazards and protective equipment: above 350 C, irritating and suffocating smokes can be released, based on sulfur - carbon compounds, sulfur oxides, nitrogen oxides and carbon oxides. Protect skin and eyes, do not inhale; the use of an appropriate gas mask is recommended.

7. Accidental release measures

Not applicable for Halogen and Signaling bulbs.

8. Handling and Storage

- Handling: Please do not touch the glass surface without gloves, this might cause outgassing and / or improper function and / or early failure.

- Storage: Store in a cool and dry place, away from excessive temperature and ignition sources.

9. Exposure control / personal protection

- Exposure control: Not applicable for Halogen and Signaling bulbs

- Personal protection: Safety glasses

10. Physical and chemical properties

Appearance: solid, no characteristic color and smell

Melting point not applicable for Halogen and Signaling bulbs

Flame point not applicable for Halogen and Signaling bulbs

Ignition point not applicable for Halogen and Signaling bulbs



Vapor pressure not applicable for Halogen and Signaling bulbs

Density not applicable for Halogen and Signaling bulbs

Viscosity not applicable for Halogen and Signaling bulbs

Solubility not applicable for Halogen and Signaling bulbs

11. Stability and reactivity

Stable under normal conditions. Decomposition products in combustion: sulfur - carbon compounds, sulfur oxides, nitrogen oxides and carbon oxides.

12. Toxicology information

- Toxicity: Not applicable for Halogen and Signaling bulbs

13. Ecologic information

- Mobility and ecotoxicity: Not applicable for Halogen and Signaling bulbs
- Biodegradability: Not applicable for Halogen and Signaling bulbs

14. Disposal considerations

Since no hazardous substances are contained in these products, they are not to be considered as hazardous waste.

In any case, observe all national, regional and environmental regulations for waste handling.



15. Transport information

ADR/RID: not applicable for Halogen and Signaling bulbs IMGD: not applicable for Halogen and Signaling bulbs IATA/ICAO: not applicable for Halogen and Signaling bulbs

16. Other information

For Technical information / specification see Technical datasheet / Product Information Sheet

17. Legal Disclaimer

The information contained in this Safety Data Sheet is based on the present state of knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the products.