

SAFETY DATA SHEET

1. Identification of the substance / mixture and of the company/undertaking

Product name: GREASE (FOR Y AXIS)
Model AX1003

MANUFACTURER

Company Name Hakko Corporation
Department in Charge Research & Development Division
Address 4-5, Shiokusa 2-chome, Naniwa-ku, Osaka, 556-0024 Japan
Emergency Telephone number 81-6-6561-3225 (Sales Division)
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2. Hazards identification

GHS classification Not applicable

GHS label elements

Pictogram None
Signal word None
Hazard statements Not particularly hazardous

3. Composition / information on ingredients

Substance or Mixture Mixture

Information on ingredients

Chemical name	Chemical formula	Concentration wt%	CAS No.
Lubricating oils	-	80-85	74869-22-0
(T-4)-Bis[O,O-bis(2-ethylhexyl)phosphorodithioato-kappaS,kappaS']zinc	C ₃₂ H ₆₈ O ₄ P ₂ S ₄ Zn	15-20	4259-15-8
2,6-Di-tert-butyl-4-ethylphenol	C ₁₆ H ₂₆ O	3-5	4130-42-1

4. First aid measures

IF INHALED	Supply fresh air; consult doctor in case of complaints.
IF ON SKIN	Wash off with soap and plenty of water. Consult a doctor if skin irritation persists.
IF IN EYES	Rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.
IF SWALLOWED	Call doctor in case of indisposition.

5. Firefighting measures

Suitable extinguishing media	Water spray jet, Alcohol-resistant foam, Fire-extinguishing powder, Carbon dioxide
Unsuitable extinguishing media	Full water jet
Specific hazards arising from the chemical	Fire gas of organic material has to be classed invariably as respiratory poison.
Special protective equipment and precautions for fire-fighters	Use breathing apparatus with independent air supply.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes High risk of slipping due to leakage/spillage of product.
Environmental precautions	Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.
Methods and material for containment and cleaning up	Take up mechanically and send for disposal.

7. Handling and storage

Precaution for safe handling	
Preventive measures	No special measures required.
Safety measures	No special measures required.
Storage	
Conditions for safe storage	Prevent penetration into the ground. Do not store together with food. Keep container tightly closed and store at cool and aired place. Recommended storage temperature: room temperature.

8. Exposure controls / personal protection

Appropriate engineering controls	Care for good room ventilation, exhaust system at workshop place if necessary.
Control parameters	This product as such does not contain any relevant ingredients with to be observed limited values as basis for this information served the valid references.
Personal protective equipment	
Respiratory protection	Not required at determined application.
Hand protection	As the product is a preparation of several substances, the resistance of the materials used for gloves cannot be predetermined; It is therefore necessary to check this before using the product. The soak time is addicted to the mechanical load and must be prove in individual cases.
Eye protection	Safety goggles
Skin and body protection	Usual working clothes for chemical industries. Immediately remove all soiled and contaminated clothing Avoid close or long term contact with the skin. Be sure to clean skin thoroughly after work and before breaks.
Individual protection measures	Avoid contact with eyes and skin. Do not inhale gases/vapors / aerosols. Cloths contaminated with product should not be kept in trouser pockets. Follow general rules of industrial hygiene for safe handling of chemical products. At work do not eat, drink and smoke.

9. Physical and chemical properties

Physical state	Pasty
Color	Yellowish
Odor	Characteristic
Initial boiling point and boiling range	No information
Flammability	Product does not present an explosion hazard.
Upper / lower flammability or explosive limits	No information
Drop point	190°C
Flash point	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
pH	No information
Viscosity	No information
Vapor pressure	No information
Density and / or relative density	0.95 g/cm ³ (at 25°C)

Relative vapor density	No information
Particle characteristics	No information
Other information	No information

10. Stability and reactivity

Reactivity	Not reactive
Chemical stability	Stable
Possibility of hazardous reactions	Will not occur
Conditions to avoid	Open flames and other sources of heat.
Incompatible materials	Strong oxidizing agents (liquid or compressed oxygen), very strong acids, very strong alkalis.
Hazardous decomposition products	No decomposition under normal storage and handling conditions.

11. Toxicological information

Acute toxicity	No information
Skin corrosion / irritation	No information
Serious eye damage / eye irritation	No information
Respiratory or skin sensitization	No information
Germ cell mutagenicity	No information
Carcinogenicity	No information
Reproductive toxicity	No information
Specific target organ systemic toxicity - single exposure	No information
Specific target organ systemic toxicity - Repeated exposure	No information
Aspiration hazards	No information

12. Ecological information

Ecotoxicity	No information
Persistence and degradability	No information
Bioaccumulative potential	No information
Mobility in soil	No information
Ozone depleting chemical data	No information

13. Disposal considerations

Dispose of the product in accordance with the related laws and regulations of local government.

14. Transport information

UN Number	Not applicable
UN proper shipping name	Not applicable
Transport hazard class(es)	Not applicable
Packing group	Not applicable
Environmental hazards	Not applicable

15. Regulatory information

Comply with the laws of each country and region regarding this product.

All components of this product are either on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

16. Other information

Reference	Manufacturer-issued SDS
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This SDS has been prepared based on the best available information however, it may not be sufficient in some cases. It is user's responsibility to modify or update any contents in this SDS regarding information on hazardous properties and/or instruction for safe handling of the product when they become available. Precautionary measures in this SDS are only applicable for normal handling conditions and it is necessary to take appropriate additional measures to ensure safe handling which depend on your specific use conditions or situations.

Update history

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