SAFETY DATA SHEET

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

Product name: Model GREASE (FOR X & Z AXIS) AX1002

MANUFACTURER

Company Name Department in Charge Address Emergency Telephone number Fax number e-mail address Hakko Corporation Research & Development Division 4-5, Shiokusa 2-chome, Naniwa-ku, Osaka, 556-0024 Japan 81-6-6561-3225 (Sales Division) 81-6-6568-0821 cs@hakko.com

2. Hazards identification

GHS classification Not applicable

None None Not particularly hazardous

3. Composition / information on ingredients

Substance or Mixture

Mixture

Information on ingredients

Chemical name	Chemical formula	Concentration wt%	CAS No.
Synthetic hydrocarbon oil	-	70-90	-
Special calcium soap	-	5-20	-
Reaction products of diphenylamine and 2,4,4- trimethylpentene	-	0.25-2.5	68411-46-1
2,5-Bis(tert- dodecyldisulfanyl)-1,3,4- thiadiazole	C26H50N2S5	1-2.5	59656-20-1



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.
IF IN EYES	Rinse opened eye for several minutes under running water.
	If symptoms persist, consult doctor.
IF SWALLOWED	If symptoms persist, consult doctor.

5. Firefighting measures

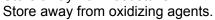
Suitable extinguishing media	Water spray jet, Alcohol-resistant foam,
	Fire-extinguishing powder, Carbon dioxide
Unsuitable extinguishing media	Full water jet
Specific hazards arising from the	In case of fire, the following can be released:
chemical	Carbon monoxide (CO), Hydrocarbons
Special protective equipment	Do not inhale explosion gases or combustion gases.
and precautions for fire-fighters	Standard procedure for chemical fires.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Not required.
Environmental precautions	Do not allow to enter sewers/ surface or ground water.
Methods and material for	Pick up mechanically.
containment and cleaning up	Dispose of the material collected according to regulations.

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	Store in cool, dry conditions in well sealed receptacles.
	Store away from foodstuffs.





8. Exposure controls / personal protection

Appropriate engineering controls Control parameters	No information 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.
Hand protection	Preventive skin protection by use of skin-protecting agents is recommended.
Eye protection	Not required.
Skin and body protection	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.

9. Physical and chemical properties

Physical state Color Odor Initial boiling point and boiling range	Pasty Beige Product specific Characteristic No information
Flammability Upper / lower flammability or explosive limits	Product does not present an explosion hazard. No information
Flash point	≧220°C
Auto-ignition temperature	No information
Decomposition temperature	No information
рН	No information
Viscosity Vapor pressure Density and / or relative density Relative vapor density Particle characteristics	No information No information 0.89 g/cm ³ (at 20°C) No information No information

10. Stability and reactivity

Not reactive Stable No dangerous reactions known.

No information Oxidizing agents None under normal use



11. Toxicological information

Acute toxicity Skin corrosion / irritation Serious eye damage / eye irritation	No information No information No information
Respiratory or skin sensitization	No information
Germ cell mutagenicity Carcinogenicity	No information
Reproductive toxicity	No information
Specific target organ systemic	No information
toxicity - single exposure 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
UN proper shipping name
Transport hazard class(es)
Packing group
Environmental hazards

Not applicable Not applicable Not applicable Not applicable 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

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.

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