

SAFETY DATA SHEET

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

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

MANUFACTURER

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

IMPORTER

Company name American Hakko Products, Inc.
Address 28920 Avenue Williams Valencia, CA 91355 USA
Department in charge Engineering
Emergency telephone number 1-800-884-255 (Product Division)

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.
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-dodecylsulfanyl)-1,3,4-thiadiazole	C ₂₆ H ₅₀ N ₂ S ₅	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 chemical	In case of fire, the following can be released: Carbon monoxide (CO), Hydrocarbons
Special protective equipment and precautions for fire-fighters	Do not inhale explosion gases or combustion gases. 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 containment and cleaning up	Pick up mechanically. 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. Store away from oxidizing agents.
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8. Exposure controls / personal protection

Appropriate engineering controls	No information
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.
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	Pasty
Color	Beige
Odor	Product specific 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
Flash point	≥ 220°C
Auto-ignition temperature	No information
Decomposition temperature	No information
pH	No information
Viscosity	No information
Vapor pressure	No information

Density and / or relative density	0.89 g/cm ³ (at 20°C)
Relative vapor density	No information
Particle characteristics	No information

10. Stability and reactivity

Reactivity	Not reactive
Chemical stability	Stable
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No information
Incompatible materials	Oxidizing agents
Hazardous decomposition products	None under normal use

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.

