

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY NAME : Hakko Corporation
ADDRESS : 4-5, Shiokusa 2-chome, Naniwa-ku, Osaka, 556-0024 Japan
SECTION IN CHARGE : Research & Development Center
EMERGENCY TELEPHONE : 81-6-6561-3225 (FAX: 06-6568-0821)
NUMBER/REFERENCE : Sales Division

PRODUCT NAME: Anti-seizing compound

Model: No. 481-026

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Physical hazards : Physical hazards are not classified, not applicable or classification not possible.
 Health hazards : Skin corrosion/irritation category 2
 Environmental hazards : Acute aquatic hazard category 3
 : Long term aquatic hazard category 3

*other hazards are not classified, not applicable or classification not possible.

GHS label elements
symbol



Signal word : warning
 Hazard statement : Causes skin irritation
 : Harmful to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	weight (%)	CAS No.	
Aluminum powder	23.9	7429-90-5	
Graphite powder	10.0	7782-42-5	
Mineral oil	63.3	8002-05-9	
Stearic acid	1.0	57-11-4	
Mineral spirits	1.8	64742-88-7, 64742-95-6	

4. FIRST-AID MEASURES

Skin contact : Wash with plenty of soap and water.

If skin irritation occurs : Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.

5. FIRE FIGHTING MEASURES

Extinguishing media : Foam, dry chemical powder. Carbon dioxide(CO₂).

Unsuitable extinguishing media : Do not use water jet as an extinguisher.

Specific hazards arising from the chemical : Flammable liquid and vapor.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing.

REMOVE IGNITION SOURCES.

AVOID RELEASE TO THE ENVIRONMENT

7. HANDLING & STORAGE

Handling Wash hands thoroughly after handling.
Avoid release to the environment
Wear protective gloves.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ACGIH(TLV-TWA)

none

Engineering controls : Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

:

Personal protection

Skin protection : Wear chemical resistant gloves.

Eye protection : Safety goggles recommended where eye contact is possible.

Work/hygiene practices : Wash with soap and water after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : Silver paste

Odor : Mild solvent like odor.

Boiling point : >200°C

Flash point : 139°C

Auto ignition temperature : >200°C

density : 1.0 at 20°C

10. STABILITY AND REACTIVITY

Stability : stable

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid heat, sparks, flames and other sources of ignition.
Do not puncture or incinerate containers.

Incompatibilities : Strong oxidizing agents.

Hazardous decomposition products : Carbon monoxide and carbon dioxide.

11. TOXICOLOGICAL INFORMATION (Including symptom of human and epidemical information)

Acute toxicity

Acute oral toxicity : Not classified or classification not possible.

Acute dermal toxicity : Not classified or classification not possible.

Acute inhalation toxicity : Not classified or classification not possible.

Irritation/corrosion	:	The mixture is classified as category 2.
Eye damage/irritation	:	Not classified.
Sensitization-respiratory	:	Not classified or classification not possible.
Germ cell mutagenicity	:	Not classified or classification not possible.
carcinogenicity	:	Not classified or classification not possible.
Toxic to reproduction	:	Not classified or classification not possible.
Specific target organ toxicity(single exposure)	:	Not classified or classification not possible.
Specific target organ toxicity(repeated exposure)	:	Not classified or classification not possible.
Aspiration hazards	:	Not classified or classification not possible.

12. ECOLOGICAL INFORMATION

Hazardous to the aquatic
environment acute hazard : The mixture is classified as category 3.

Hazardous to the aquatic
environment long term
hazard : The mixture is classified as category 3.

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local legislation.

14. TRANSPORTATION INFORMATION

International regulations

Marine regulations
information

UN No. None required

Aviation regulations
information

UN No. None required

Domestic regulations

Land transport regulations

Marine regulations
information

UN No. None required

Aviation regulations
information

UN No. None required

15. REGULATORY INFORMATION

Follow all regulations in your contry.

16. OTHER INFORMATION

Reference:

Manufacturer-issued MSDS

Established on August 19, 2003

Revised on Dec 1, 2015

This document has been prepared based on the information and data that are available as of this date. Therefore, it may be revised when new information or data has been obtained.

The information and data contained herein are subject to the normal use. The evaluation of dangerousness and toxicity is, therefore, not always applicable. For this reason, the safety precautions suitable for your purpose and method must be taken prior to the use.