



MATERIAL SAFETY DATA SHEET

9920 (Thermal Paste)

Thermally Conductive Compound

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name	9920 (Thermal Paste)
Use	To drain away waste heat generated by electrical resistance in semiconductor devices.
Manufacturer/Supplier	KOOTAI NEW MATERIALS TECHNOLOGY PVT. LTD.
Address	Industrial Plot No. 404, Udyog Kendra Ext.-II, Ecotech-III, Gautam Buddha Nagar, Greater Noida, Uttar Pradesh - 201306
Telephone Number	0120-4561693
Web	www.kootai.in

2. CHEMICAL COMPOSITIONS

Ingredient	Percentage	CAS NO.	Exposure Limits
Base Glue	50%	63148-62-9	NA
Filler	5%	471-34-1	NA
Al(OH) ₃	40%	21645-51-2	NA
Curing agent	3%	1185-55-3	NA
Catalyst	1%	Proprietary	NA
Coupling agent	1%	Proprietary	NA

3. HAZARD IDENTIFICATION

3.1 Hazard information :	If inhaled, it will be harmful. Avoid contacting with eyes and skin. Do not inhale smog when fire and/or explosion appears.
3.2 Routes of exposure:	Inhalation, Ingestion, Skin contact.
3.3 Health effects:	
Eyes:	Directly contacting may cause slightly irritation.
Skin:	Short time exposure won't cause severe influence, repeatedly contacting may cause irritation.
Inhalation:	Cause slightly irritation to the respiratory system, excessively inhalation of smog may cause sleeping.
Ingestion:	Ingestion will affects health.

4. FIRST AID MEASURES

4.1 Eyes:	Immediately flush with water for at least 15minutes.
4.2 Skin:	First aid is not needed.
4.3 Inhalation:	Remove to fresh air firstly, if the symptoms persists, get medical attention.
4.4 Ingestion:	Get the medical attention.

5. FIRE FIGHTING MEASURES

5.1 Flammability:	Fire retardation.
5.2 Flash point:	Unsuitable.
5.3 Ignition Temperature:	No data.
5.4 Explosion Limitation:	No data.
5.5 Hazard characteristic:	None.
5.6 Extinguishing measures:	Dry chemical, Foam and CO ₂ fire extinguisher.



6. ACCIDENTAL RELEASE MEASURES

- 6.1 Attention to personal protection:** Avoid eye contact, avoid inhaling smog and keep the container sealed well.
- 6.2 Attention to environmental protection:** The entry into drainage system or water is prohibited.
- 6.3 Accidental release measures:** Close the leaking resources, do not contact the leaking material directly, sweep up with rag or other material and place in the container for disposal.

7. HANDLING AND STORAGE

- 7.1 Handling:** Wear protective equipment, equip with well ventilating appliances. Avoid eye contact ;avoid inhaling smog and keep the container sealed well. Satisfactory industrial hygiene should come into operation, please clean thoroughly after handling especially before eating and smoking.
- 7.2 Storage:** Take care, stay away from oxidability material. Keep the container sealed well, avoid water or moisture.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

- 8.1 Engineering controls:** Provided with ventilated appliance or other methods below the criterion value. Ensure that eyewash equipment and safety showers are proximal to the work location.
- 8.2 The personal protective appliances for generally handling**
- Respiratory system protection:** When ventilating appliance is not effective to decrease the concentration of smog in the work area, a standard respirator or gas mask should be used.
- Eye protection:** Use suitable protection-the safety glasses is elementary requirement.
- Hand protection:** Special protection is not needed.
- Skin protection:** Cleaning thoroughly before lunch and off duty should be sufficient.
- Personal hygiene measures:** Satisfactory industrial hygiene measures should come into operation, please cleaning after handling, espieccally before the eating or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

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| 9.1 Physical state: | Paste |
| 9.2 Color | White, Black, Gray |
| 9.3 Odor | Slight odor |
| 9.4 Specific gravity: | 2.70 |
| 9.5 PH value: | No data |
| 9.6 Boil: | No data |
| 9.7 Melting point | No data |
| 9.8 Flash point: | No data |
| 9.9 Ignition temperature: | No data |
| 9.10 Explosivity: | No |
| 9.11 Oxidability | No |
| 9.12 Vapour pressure (25°C): | No data |
| 9.13 Relative vapor pressure: | No data |
| 9.14 Viscosity: | 210,000 |
| 9.15 Molecular weight: | Unevaluated |



10. CHEMICAL REACTIVE PROPERTY

10.1	Stability:	Stable.
10.2	Reactivity	
	Conditions should be avoided:	None.
	Incompatibility:	Can react with strong oxidizer, water, moisture can arise hazardous smog.
	Hazardous polymerization:	None.

11. TOXICOLOGICAL INFORMATION

11.1	Health effects:	Refer to paragraph 3.3
11.2	Sensitization:	Not known.
11.3	Mutagenicity:	Not known.
11.4	Carcinogenicity:	Not known.
11.5	Other health hazardous information:	No suitable data.

12. ECOLOGICAL INFORMATION

12.1	Ecotoxicity:	Not suitable.
12.2	Biodegradable:	Not suitable.
12.3	Bio-accumulation:	No bio-accumulation.

13. WASTE DISPOSAL

13.1	Product disposal methods:	Operated the product disposal according to the statute.
13.2	Package disposal methods:	Operated the product disposal according to the statute.

14. TRANSPORTATION INFORMATION

14.1	Road and railway transportation:	Not limited.
14.2	IMDG	Not belong to IMDG coding
14.3	IATA	Not belong to IATA regulate.

15. REGULATION INFORMATION

15.1	Statute available:	The dangerous substance and detrimental substance general regulation.
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16. OTHER INFORMATIONS

Liaison office:	KOOTAI NEW MATERIALS TECHNOLOGY PVT. LTD.
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