

# **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
AI(OH) <sub>3</sub>	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<sub>2</sub> fire extinguisher.

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### 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.

### **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.

Take care, stay away from oxidability material. Keep the container sealed well, avoid water or 7.2 Storage:

moisture.

#### **EXPOSURE CONTROL AND PERSONAL PROTECTION** 8.

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

When ventilating appliance is not effective to decrease the concentration of Respiratory system protection:

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, espiecally before the eating or smoking.

#### PHYSICAL AND CHEMICAL PROPERTIES 9.

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

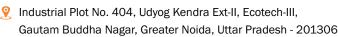
9.10 Explosivity: No

9.12 Vapour pressure (25°C): No data

9.13 Relative vapor pressure: No data

210.000 9.14 Viscosity:

9.15 Molecular weight: Unevaluated





9.11 Oxidability

Nο



# **CHEMICAL REACTIVE PROPERTY**

Stable. 10.1 Stability:

10.2 Reactivity

> Conditions should be avoided: None.

Incompatibility: Can react with strong oxidizer, water,

moisture can arose hazardous smog.

Hazardous polymerization: None.

### **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 Operated the product disposal according to the statute. Package disposal methods:

### TRANSPORTATION INFORMATION

14.1 Road and railway transportation: Not limited.

14.2 Not belong to IMDG coding **IMDG** 14.3 **IATA** Not belong to IATA regulate.

# **REGULATION INFORMATION**

15.1 Statute available: The dangerous substance and detrimental substance

general regulation.

### **OTHER INFORMATIONS**

Liaison office: KOOTAI NEW MATERIALS TECHNOLOGY PVT. LTD.

