

SI adhesive

MATERIAL SAFETY DATA SHEET

Required under OSHA's hazard Communication Standard 29 CFR 1910.1200

IDENTITY (As Used on Label and List)	
SI ADHESIVE	
Section 1 - company identification	
Manufacturer's Name Nitta Corporation	Emergency Telephone Number 1-770-497-0212 (Nitta Corporation of America, GA, USA)
Address (Number, Street, City, State, and Zip Code) 4-26 Sakuragawa 4-Chrome, Naniwa Osaka 555-0022 Japan	Telephone Number for Information 81-6-6563-1225 (Nitta Corporation, Osaka, Japan)
	Date Prepared 17. Januayr.2003
	Signature of Prepare (optional)
Section 2 - Composition	
Single or Mixture Mixture	
Chemical Identification Organopolysilioxane mixture	
Hazardous Component(s)/(CAS No.) Epoxy group-containing organopolysiloxane/(confidential):ca.5%	
Section 3 - Hazards Identification	
Hazards Classification None (base on IMO)	
Fire and Explosion Not considered flammable nor combustible, but will burn if involved in a fire. Contact with acidic, basic or oxidizing materials generates flammable and explosive hydrogen gas.	
Potential Health Effect Skin contact : may cause slight skin irritation, but no significant effect Eye contact : may cause slight eye irritation Ingestion : no information is available	
Section 4 - First Aid Measures	
Skin Contact Remove product from skin with dry cloth or towel and wash exposed are with detergent.	
Eye Contact Immediately flush with water for at least 15 minutes.	
Ingestion Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.	
Section 5 - Fire Fighting Measures	
Flash Point (Method Used) Not applicable (On heating it causes curing)	
Flammable Limits Lower : not measured Upper : Not measured	
Extinguishing Media Foam, dry chemical dioxide or fire spray	
Special Fire Fighting Procedures None	
Unusual Fire and Explosion Hazards None	
Section 6 - Acidental Release Measures	
Step to be Taken in Case Material is Released or Spilled Wear appropriate protective equipment. Contain the spill or leak. Scrape up with cardboard or rag and place in container, in such a case, pay attention to generation of hydrogen gas by contaminants.	

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**Section 7-Handling and Storage**

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**Precaution or be Taken in Handling and Storing**

Keep container closed when not in use. Vent the container properly to eliminate internal pressure. Store in a cool place (qualitatively under 10 degree C). Keep away from heat and flame. Do not lay the container on its side. Avoid contact with eyes, skin, and clothing. Avid contact with acidic basic or oxidizing materials. Contact lens wearers take appropriate precaution. Keep out of reach of children.

**<Information about the emptied container>**

Do not re-use this container. Keep away from heat, sparks and flame. Do not purchase or cut this container, and do not weld on or near this container.

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**Section 8- Exposure Control/Personal Protection**

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**Exposure Guidelines**

ACGIH TLV-TWA : Not established

OSH PEL : Not established

(Epoxy group-containing organopolysilioxane)

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**Respiratory Protection (specify type)**

Not required

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**Ventilation**

Local Exhaust : Not required

Mechanical (general) : Not required

Special : Not required

Other : Not required

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**Protective Gloves**

Plastic film

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**Eye Protection**

Chemical goggles or equivalent eye protection

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**Other Protective Clothing or Equipment**

Eyewash equipment. Clothing which covers any other exposed areas of the arms, legs, and torso.

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**Work/Hygienic Practices**

Keep away from heat and flame. Avoid contact with eyes, skin and clothing. Avoid contact with acidics, basic or oxidizing materials. Wash hands and eyes, and gargle after handling.

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**Section 9-Physical and Chemical Properties**

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Boiling Point : Not applicable

Vapor Pressure : Negligible (25 degrees C)

Vapor Density (AIR=1) : Not applicable

Specific Gravity (H2O=1) : 1.08 (25 degrees C)

Melting Point : Not applicable

Evaporation Rate (Butyl Acetate=1) : Negligible

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**Solubility in Water**

Not soluble

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**Appearance and Odor**

Color : milk-white, translucent Form : paste

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**Odor**

Odorless

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**Section 10-Stability and reactivity**

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**Stability**

Unstable (but it will not vigorously polymerize, decompose, condense, or will not become self-reactive under conditions of shocks pressure or temperature.)

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**Condition to Avoid**

Contact with acidic, basic or oxidizing materials

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**Incompatibility (materials to avoid)**

Acidic, basic or oxidizing materials

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**Hazardous Decomposition or By-product**

Flammable hydrogen gas

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**Hazardous Polymerization**

Will not occur

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**Condition to Avoid**

None

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**Section 11-Toxicological Information**

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Skin Irritation :The observed skin irritation consisted of very slight to well defined erythema and very slight oedema. (Epoxy group-containing organopolysilioxane)

Eye Irritation : Resulted in adverse effects on the conjunctive. The irritation of the conjuction was

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	reversible within 72 hours. (Epoxy group-containing organopolysiloxane)
Acute Toxicity (LD50)	: LD50 (oral/rat) 2000mg/kg (Epoxy group-containing organopolysiloxane)
Acute Toxicity (LC50)	: Not applicable
Subacute Toxicity	: NOEL 40mg/kg/day (rat) (Epoxy group-containing organopolysiloxane)
Chronic Toxicity	: No information is available
Carcinogenicity	NTP :Not listed IARC :Not listed OSHA Regulated :Not listed
Mutagenicity:	: Positive (Bacteria). Positive (Chromosome analysis) (Epoxy group-containing organopolysiloxane)
Reproductive effect	: May cause reproductive disorders. (Epoxy group-containing organopolysiloxane)
Other Information	: None
Section 12-Ecological information	
Biodegradation Not applicable	
Bioaccumulation Bioconcentration Factor (BCF)/(CARP) : (Epoxy group-containing organopolysiloxane)	
Aquatic Toxicity No information is available	
Other Information None	
Section 13-Disposal Considerations	
Can be burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state, and local laws.	
Section 14-Transpost Information	
UN No.	: None
IMO Classification and Class	: None
Packaging Group	: None
Proper Shipping Name	: None
Technical Shipping Name	: None
Marine Pollutant	: None
Dot Reportable Quantity (RQ)	: Hazard Substance(s) Name/(CAS No.) Contents and RQ
Section 15-Regulatory information	
Toxic Substances Control ACT (TSCA) Status Listed on the TSCA inventory.	
Superfund amendments and reauthorization ACT of 1986 (SARA) Title III section 313 supplier notification: This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-Know Act of 1986 and 40 CFR 372. This information must be included in all MSDM's that are copied and distributed for the material Chemical Name/ (CAS No.) and contents	
California Proposition 65: This regulation requires a warning for California Proposition 65 Chemical(s) contained in this product are: Chemical Name/(CAS No.) and contents Toluene/(108-88-3)/<0.2%	
Section 16-other information	
For industrial Use Only This materials safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consist of data on literature, our acquisitional data and analogical inference by data similar chemical substances or product. Nitta Co. Ltd. provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.	