

# Material Safety Data Sheet

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## 1. Chemical Product & Company Identification

Chemical product name <b>Hi-S Cal 4178-90CM2</b>	
Name of Manufacturer/Supplier Nippon Carbide Industries Co., INC.	Telephone Number Japan +81-3-5462-8205 Fax Number Japan +81-3-5462-8274
Address Ohtaki Bldg. 2-11-19,Kohnan,Minato-ku, Tokyo, 108-8466, Japan	
Name of Section Films Division, Operational Headquarters of Functional Products	
Manufacturer's Name Nippon Carbide Industries Co., INC. Hayatsuki Plant	Telephone Number Japan +81-76-471-2211 Fax Number Japan +81-76-471-2041
Address 530 Ohjima, Namerikawa-City, Toyama, 936-8555, Japan	
Name of Section Safty, Quality and Environment Control Dept.	Date Prepared Sheets 10.April.2013
Reference №; 0651-90CM2	

## 2. Hazards Identification

HAZARD STATEMENT	HAZARD CLASS	HAZARD CATEGORY
Physical Hazards		not classified
Health Hazards	Acute Toxicity, oral dermal inhalation(vapour) Skin Corrosion/irritation Serious eye damage/eye irritation Sensitization, respiratory skin Germ Cell Mutagenicity Carcinogenicity Toxic to Reproduction Specific Target Organ Toxicity, single exposure repeated exposure Aspiration Hazard	not applicable not applicable not applicable not classified not applicable not applicable not classified not classified not classified not applicable not applicable not applicable
Environmental Hazards	Hazardous to The Aquatic Environment, acute toxicity chronic toxicity	not classified not classified

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### 3. Composition / Information on Ingredients

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Substance : Mixture - Mixture is based on Polyvinyl Chloride Film and the others

Chemical Name : PVC based Film

Ingredients and Composition / CAS No.

	wt %	CAS No.
PVC Resin	30~40	9002-86-2
Plasticizer	10~20	Confidential
Pigment(inorganic), Filler	10~20	//
Other Additives	1~10	//
Adhesive(acrylic polymer)	25~35	//
Liner Paper	-	

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### 4. First-Aid Measures

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Eye Contact

In case of injury seek medical attention.

Skin Contact

Not special requirements.

Inhalation

If burning vaporous are inhaled immediately seek medical attention.

Ingestion

Immediately give the victim of water, attempt to make the victim vomit and medical facility for examination and treatment by a physician.

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### 5. Fire-Fighting Measures

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Specific Hazards with Regard to Fire-Fighting Measures.

Evacuate personnel to safe area.

Firefighters should wear proper protective equipment.

Keep personnel removed from and upwind of fire.

Extinguishing Media

Use water, foam or dry chemical powder.

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### 6. Accidental Release Measures

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Sheeting and liner have slippery properties.

Do not leave off cuts of sheeting or liner on floor area. Keep working area clean.

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### 7. Handling and Storage

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Handling Method

Be careful not to drop product on foot.

Keep box dry. Do not use hook for handling box.

Storage Method

Keep away from heat, steam pipe or sunlight.

Keep at temperature not exceeding 25°C.

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## 8. Exposure Control / Personal Protection

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### TLV Control

Not established

### OSHA PEL / ACGIH

Not established.

### Respiratory Protection

Not special necessarily.

### Protective Clothing

General working clothes.

### Ventilation Equipment

Not special necessarily.

### Eye Protection

Not special necessarily.

### Protective Gloves

General gloves.

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## 9. Physical and Chemical Properties

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### Appearance

Film with adhesive and paper liner wound around paper core.

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## 10. Physical Hazard (Stability and Reactivity)

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This product is considered a stable material under normal and anticipated storage and handling conditions.

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## 11. Toxicological Information

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### Corrosive

In normal use, this material is extremely safe and not liable to catch fire or create explosion. However, when burnt this material generates carbon dioxide and carbon oxide gas.

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## 12. Ecological Information

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### Biodegradability

Now, there is no knowledge.

### Other Information

Now, there is no knowledge.

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## 13. Disposal Consideration

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### Waste Disposal Method

Consult waste disposal company for the optimum treatment.

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## 14. Transport Information

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Follow all regulations in your country.

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## 15. Regulatory Information

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Follow all regulations in your country.

## **16. Other Information**

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The information relates to this specific material. It may not be valid for this materials, if used in combination with any other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use.

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