SAFETY DATA SHEET
according to Regulation (EC) No. 453/2010

Nordson Heat Conductive Paste

SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Product code : 245773
Product name : Nordson Heat Conductive Paste

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Processing aid for industrial applications

1.3. Details of the supplier of the safety data sheet

Manufacturer
enviro-blend, Inc.
P.O. Box 329
Springfield, TN 37172

Service Number : 615-382-8215
E-Mail : enviroblend@birch.net

1.4. Emergency telephone number

Poison Control Center (Medical) : (877) 800-5553
CHEMTREC (US Transportation) : (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.2. Label elements

Non Hazardous
Classification according to Regulation (EC) No 1272/2008 [CLP]
Precautionary statement(s)
Storage : P233: Keep container tightly closed.
Disposal : P273: Avoid release to the environment.

2.3. Other hazards

Additional information : This product is not classified as dangerous according to Annex I of Directive 67/548/EEC and 1272 of the European Union.

SECTION 3: Composition / information on ingredients

3.1. Substances

No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1. Description of first aid measures

Following eyes : Immediately flush with plenty of water for at least 15 minutes; ensure water flushing of entire surface of eye and lid. Obtain medical attention if irritation persists.

Following skin : Wash with soap and water. Get medical attention if irritation develops or persists.
Nordson Heat Conductive Paste

Following ingestion: Rinse mouth with water, consult a physician. Never give anything by mouth to an unconscious person.

Following inhalation: No treatment is necessary under normal conditions of use. If symptoms persist, obtain medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Eyes: May cause slight eye irritation.
Skin: Prolonged contact may produce oil acne/dermatitis.
Skin absorption: No data available.
Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Inhalation: Not expected due to low vapor pressure.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Fire fighting measures

5.1. Extinguishing media
Extinguishing media: Carbon dioxide, Dry chemical or Alcohol type foam.

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products: Hazardous decomposition products include carbon dioxide and carbon monoxide.

Explosion hazards: The material is not considered a potential fire and explosion hazard under normal operating conditions.

Fire explosion: None Expected.
Sensitive to static discharge: None Expected.
Sensitivity to impact: None

5.3. Advice for firefighters
Fire fighting procedures: Use water spray to cool fire-exposed containers.
Fire fighting equipment: Wear self-contained breathing apparatus with full face piece, operated in pressure demand or other positive pressure mode, and full protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General procedures: Wear suitable gloves and safety or splash goggles. Remove contaminated clothing and wash before reuse, wash any affected skin areas with soap and water.
Special protective equipment: See section 8

6.2. Environmental precautions
Water spill: Keep spills and cleaning run-off out of municipal sewers and open bodies of water.
Air spill: None Expected.

6.3. Methods and material for containment and cleaning up
Small spill: Avoid runoff into storm sewers and ditches which lead to waterways.
Large spill: Stop leak. Dike to contain spill, cover with inert absorbent material, sweep up
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6.4. Reference to other sections

and place in suitable container(s) for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling : Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage : Keep container tightly closed in a dry and well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : Store at ambient temperatures.

Electrostatic accumulation hazard : None known.

Shelf life : 48 months from date of purchase.

Special sensitivity : None known.

7.3. Specific end use(s)

Specific end use(s) : Lubricant

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Control parameters : Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Engineering controls : Local exhaust is recommended when handling generated mists and vapors.

Eye/face protection : Wear safety glasses or splash googles.

Skin protection : Wear impervious gloves.

Respiratory protection : None required for normal operation. Use an approved respirator when exposure to vapors of mists is anticipated.

Protective clothing : Impervious clothing. The type of protective clothing must be selected according to the concentration and amount of the product handled at the specific workplace.

Work hygienic practices : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Other precautions : There should be an eye wash close by.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Grease
Appearance : Grease
Colour : Black
pH : NA = Not Applicable
Melting temperature : None known.
Boiling temperature : > 204.4°C (400°F) Approximate
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>&gt; 204.4°C (400°F) estimated</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>NA = Not Applicable</td>
</tr>
<tr>
<td>Flammable limits</td>
<td>No data. Low volatility makes ambient explosive vapor concentrations impossible.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>&lt; 1 mm/Hg at 20°C (68°F)</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available.</td>
</tr>
<tr>
<td>Density</td>
<td>No data available.</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>1.3 kg/m3 at 20°C (68°F)</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>Virtually insoluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available.</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>NA = Not Applicable</td>
</tr>
<tr>
<td>Percent volatile</td>
<td>negligible</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

10.1. Reactivity

Reactivity: None

10.2. Chemical stability

Chemical stability: Stable under normal use conditions,

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: If stored and handled properly: none known.

Hazardous polymerization: Will not occur under normal use conditions.

10.4. Conditions to avoid

Conditions to avoid: Excessive heat, sparks and open flames.

10.5. Incompatible materials

Incompatible materials: No data available.

10.6. Hazardous decomposition products

Hazardous decomposition products: None under normal use conditions, oxides of carbon when burned.

**SECTION 11: Toxicological information**

11.1. Information on toxicological effects

Acute

Notes: No data is available.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC, ACGIA, NTP or OSHA.

Mutagenicity: None known.

Reproductive effect: Not expected to be a hazard.
### SECTION 12: Ecological information

| 12.1. Toxicity |  
|---|---|
| Toxicity | No data available. |

| 12.2. Persistence and degradability |  
|---|---|
| Persistence and degradability | No data available. |

| 12.3. Bioaccumulative potential |  
|---|---|
| Bioaccumulative potential | No data available. |

| 12.4. Mobility in soil |  
|---|---|
| Mobility in soil | No data available. |

| 12.5. Results of PBT and vPvB assessment |  
|---|---|
| Results of PBT and vPvB assessment | No data available. |

| 12.6. Other adverse effects |  
|---|---|
| Environmental data | No data available. |

### SECTION 13: Disposal considerations

| 13.1. Waste treatment methods |  
|---|---|
| Product disposal | Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations. |
| Disposal method | Recover or recycle is possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses. |
| Empty container | offer to licensed container recycler. |

### SECTION 14: Transport information

| 14.1. UN number |  
|---|---|
| UN number | N/A |

| 14.2. UN proper shipping name |  
|---|---|
| UN proper shipping name | Not regulated. |

| 14.3. Transport hazard class(es) |  
|---|---|
| Hazard classification | Not regulated for transport |
| Hazard classification code | NA = Not Applicable |

| 14.4. Packing group |  
|---|---|
| Packing group | N/A |

| 14.5. Environmental hazards |  
|---|---|
| 14.6. Special precautions for user |  
|---|---|
| ADR - road | NA = Not Applicable |
| RID - rail | NA = Not Applicable |
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IMDG - sea : NA = Not Applicable
IATA - air : NA = Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

RoHS : None
National regulations (Germany)
(WGK) classification : None known.
(VbF) classification : None known.
International regulations : None known.

15.2. Chemical safety assessment
Chemical safety assessment : Non Hazardous material.

SECTION 16: Other information

Reason for issue : GHS Format
Data sources : The SDS is compiled using supplied product information and SDS information from the manufacturers of the raw materials used in the formulation of this product.

Additional SDS information : The standard abbreviations and acronyms used in this document can be looked up in reference literature (e.g. scientific dictionaries) and / or websites. Not all acronyms and abbreviations listed below have been incorporated in the Safety Data Sheet.
Legend:
ACGIH: American Conference of Governmental Industrial Hygienists
AICS: Australian Inventory of Chemical Substances
ADN: European Agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
ADNR: ADN Specific for the Rhine
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ASTM: American Society for Testing and Materials
BEL: Biological Exposure Limits
BTEX: Benzene, Toluene, Ethylbenzene, Xylenes
CAS: Chemical Abstracts Services
CEFIC: European Chemical Industry Council
CLP: Classification Packaging and Labelling.
COC: Cleveland Open-Cup
DIN: Deutsched Institute fur Normung
DMEL: Derived Minimal effect Level
DNEL: Derived No Effect Level
DSL: Canada Domestic Substance List
EC: European Commission
EC50): Effective Concentration Fifty
ECETOC: European Center on Ecotoxicology and Toxicology of Chemicals
ECHA: European Chemicals Agency
EINECS: The European Inventory of Existing Commercial Chemical Substances
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EL50): Effective Loading Fifty
ENCS: Japanese Existing and New Chemical Substances Inventory
EWC: European Waste Code
GHS: Globally Harmonised system of Classification and Labelling of Chemicals
DMSO: Dimethyl Sulfoxide
EU: European Union
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IC50: Inhibitory Concentration 50
IL50: Inhibitory Level Fifty
IMDG: International Maritime Dangerous Goods
INV: Chinese Chemicals Inventory
IP346: Institute of Petroleum Test Method No 346 for the determination of polycyclic aromatics DMSO-extractables
KECI: Korea Existing Chemicals Inventory
LC50: Lethal Concentration Fifty
LD50: Lethal Dose Fifty
LL/EL/IL: Lethal Loading/Effective Loading/Inhibitory Loading
LL50: Lethal Loading 50
MARPOL: International Convention for the Prevention of Pollution from Ships
NIOSH: National Institute of Occupational Safety and Health
NOEC/NOEL: No observed Effect Concentration/No observed Effect Level
NOHSC: National Occupational Health and Safety Commission
OE_HP: Occupational Exposure - High Production Volume
PBT: Persistent, Bioaccumulative and Toxic
PICCS: Philippine Inventory of Chemicals and Chemical Substances
PNEC: Predicted No Effect Concentration
REACH: Registration Evaluation and Authorization of Chemicals
RID: Regulations Relating to International Carriage of Dangerous Goods by Rail
SKIN_DES: Skin Designation
STEL: Short Term Exposure Limit
TRA: Targeted Risk Assessment
TREGS: Technical Rules for Hazardous Substances
TSCA: US Toxic Substances Control Act
TWA: Time-Weighted Average
vPvB: Very Persistent and Very Bioaccumulative
NTP: United Nations Toxicology Program.
OSHA: Occupational Safety and Health Act.

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