

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Date Issued : 09/30/2015

SDS No : 245773

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)

General : P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 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.

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- 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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and place in suitable container(s) for disposal.

6.4. Reference to other sections

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 goggles.
- 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

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Flash point	: > 204.4°C (400°F) estimated
Evaporation rate	: NA = Not Applicable
Flammable limits	: No data. Low volatility makes ambient explosive vapor concentrations impossible.
Vapor pressure	: < 1 mm/Hg at 20°C (68°F)
Vapor density	: No data available.
Density	: No data available.
Specific gravity	: 1.3 kg/m ³ at 20°C (68°F)
Solubility in water	: Virtually insoluble
Partition coefficient: n-octanol/water	: No data available.
Auto-ignition temperature	: No data available.
Thermal decomposition	: No data available.
Viscosity	: NA = Not Applicable

9.2. Other information

Percent volatile : negligible

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

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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 N0 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.
 HMIS: Hazardous Materials Identification System.
 NFPA: National Fire Protection Association.

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