

SAFETY DATA SHEET

Date Prepared : 09/30/2015

SDS No : 245773

Nordson Heat Conductive Paste

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nordson Heat Conductive Paste
GENERAL USE: Processing aid for industrial applications
PRODUCT CODE: 245773

MANUFACTURER

enviro-blend, Inc.
P.O. Box 329
Springfield, TN 37172
Customer Service: 615-382-8215
E-Mail: enviroblend@birch.net

24 HR. EMERGENCY TELEPHONE NUMBERS

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

2. HAZARDS IDENTIFICATION

GHS LABEL

Non Hazardous

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Heavy black grease

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause eye irritation.

SKIN: Repeated or prolonged skin contact may cause skin irritation.

SKIN ABSORPTION: No data available.

INGESTION: No data available.

INHALATION: No data available.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: None

CARCINOGENICITY: Not a carcinogen.

MUTAGENICITY: No data available.

MEDICAL CONDITIONS AGGRAVATED: Ingestion may result in nausea, vomiting and or diarrhea. Pre-existing medical conditions of the skin may be aggravated by exposure to the material.

CANCER STATEMENT: Not classified as a human carcinogen.

SENSITIZATION: No data available.

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

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

4. FIRST AID MEASURES

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.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

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

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE

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.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not Established

EXTINGUISHING MEDIA: Carbon dioxide, Dry chemical or Alcohol type foam.

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 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.

FIRE EXPLOSION: None Expected.

SENSITIVE TO STATIC DISCHARGE: None Expected.

SENSITIVITY TO IMPACT: None

6. ACCIDENTAL RELEASE MEASURES

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 and place in suitable container(s) for disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Keep spills and cleaning run-off out of municipal sewers and open bodies of water.

AIR SPILL: None Expected.

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

7. HANDLING AND STORAGE

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.

STORAGE TEMPERATURE: Store at ambient temperatures.

SHELF LIFE: 48 months from date of purchase.

SPECIAL SENSITIVITY: None known.

ELECTROSTATIC ACCUMULATION HAZARD: None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust is recommended when handling generated mists and vapors.

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PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE:

Wear safety glasses or splash goggles.

SKIN: Wear impervious gloves.

RESPIRATORY: 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 USE PRECAUTIONS: There should be an eye wash close by.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Grease

APPEARANCE: Grease

COLOR: Black

PHYSICAL STATE COMMENTS: Heavy black grease

pH: NA = Not Applicable

PERCENT VOLATILE: negligible

FLASH POINT AND METHOD: > 204.4°C (400°F) estimated

FLAMMABLE LIMITS: No data. Low volatility makes ambient explosive vapor concentrations impossible.

AUTOIGNITION TEMPERATURE: No data available.

VAPOR PRESSURE: < 1 mm/Hg at 20°C (68°F)

VAPOR DENSITY: No data available.

BOILING POINT: > 204.4°C (400°F) Approximate

MELTING POINT: None known.

THERMAL DECOMPOSITION: No data available.

SOLUBILITY IN WATER: Virtually insoluble

PARTITION COEFFICIENT: N-OCTANOL/WATER: No data available.

EVAPORATION RATE: NA = Not Applicable

DENSITY: No data available.

SPECIFIC GRAVITY: 1.3 kg/m³ at 20°C (68°F)

VISCOSITY: NA = Not Applicable

10. STABILITY AND REACTIVITY

REACTIVITY: None

HAZARDOUS POLYMERIZATION: Will not occur under normal use conditions.

STABILITY: Stable under normal use conditions,

CONDITIONS TO AVOID: Excessive heat, sparks and open flames.

POSSIBILITY OF HAZARDOUS REACTIONS: If stored and handled properly: none known.

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HAZARDOUS DECOMPOSITION PRODUCTS: None under normal use conditions, oxides of carbon when burned.

INCOMPATIBLE MATERIALS: No data available.

11. TOXICOLOGICAL INFORMATION

ACUTE

NOTES: No data is available.

EYE EFFECTS: Expected to be slightly irritating.

SKIN EFFECTS: Expected to be slightly irritating.

CARCINOGENICITY

IARC: Not a carcinogen.

NTP: Not a carcinogen.

OSHA: Not a carcinogen.

Notes: 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.

NEUROTOXICITY: None Expected.

GENETIC EFFECTS: None Expected.

REPRODUCTIVE EFFECTS: Not expected to be a hazard

MUTAGENICITY: None known.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data available.

ECOTOXICOLOGICAL INFORMATION: No data available.

BIOACCUMULATION/ACCUMULATION: No data available.

DISTRIBUTION: No data available.

CHEMICAL FATE INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

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.

FOR LARGE SPILLS: Stop Leak. Dike to contain spill, cover with inert absorbant material, sweep up and place in suitable container for proper disposal.

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.

EMPTY CONTAINER:

offer to licensed container recycler.

RCRA HAZARD CLASS: None

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

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ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated.

VESSEL (IMO/IMDG)

SHIPPING NAME: Not regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: No SARA 311 / 312 Hazards.

313 REPORTABLE INGREDIENTS: This material does not contain any SARA 313 chemicals above the de minimus levels.

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This material does not contain any CERCLA regulated chemicals.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All Components listed

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Non-controlled

16. OTHER INFORMATION

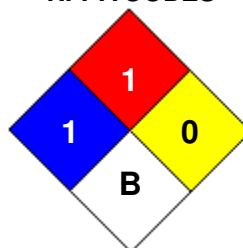
REASON FOR ISSUE: GHS Format

Date Prepared: 09/30/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	B

NFPA CODES



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

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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
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:V: 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: Thort Term Ex[osure 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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HMIS: Hazardous Materials Identification System.

NFPA: National Fire Protection Association.

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