



MATERIAL SAFETY DATA SHEET

Prepared in accordance with ISO 11014-1/ ANSI standard
Z400.1-2004

Revision Date: 12/03/2012
MSDS No.: ND2130

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ND M97 – Crushable Mastics

Synonyms: None

Use of the Substance/Preparation: Adhesive / Sealant

Supplier:

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2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW-CAUTION: Gray Solid, with rubber like odor.

Principle Routes of Exposure: Skin

POTENTIAL HEALTH EFFECTS:

Eye Contact: Not likely to occur in product form. May cause mechanical irritation of eye.

Skin Contact: Not applicable in solid form. Non-irritating.

Inhalation: Not applicable in solid form. Non-irritating.

Ingestion: Not considered to be a route of entry under normal industrial conditions. May cause gastrointestinal irritation. If ingested seek medical attention.

Carcinogenic Effects: No data available on this product

Target Organ Effects: No data available on this product

Medical Conditions Aggravated by Exposure: No data available on this product

Potential Environmental Effects: No data available on this product

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	EINECS Number	Weight %	EU Classification
Filler	Mixture	None	70-80	None

Hydrocarbon Resin	Mixture	None	5-10	None
Process Oil	64742-58-1	265-161-3	5-10	None
Copolymer	9003-55-8	None	<5	None
EPDM Rubber	Mixture	None	<5	None
Polyethylene Wax	9002-88-4	None	<5	None
Filler	1314-13-2	215-222-5	<1	N; R50-53
Pigment	1333-86-4	215-609-9	<1	None

4. FIRST AID MEASURES

Skin Contact: Material is not likely to be hazardous by skin contact, but cleansing the affected area with soap and water is advisable. If irritation develops seek medical attention

Eye Contact: Not likely to occur in solid form. If mechanical irritation occurs, flush eyes with tepid water for 10 minutes. If irritation occurs please seek medical attention.

Inhalation: Not likely to occur in solid form. If exposed to fumes of heated / activated product, remove to fresh air.

Ingestion: Not a probable route of exposure. However, If swallowed do not induce vomiting, seek medical attention.

Notes to Physician: Treatment of exposure should be directed at the control of the symptoms and the clinical condition of the patient.

5. FIRE AND IGNITION INFORMATION

Flash Point >200 °C

Explosion Limits in Air – Upper (%): Not established

Explosion Limits in Air – Lower (%): Not established

OSHA Flammability Classification: Combustible

Auto-ignition Temperature: Not established

Extinguishing Media: Fine water spray, Foam, Dry chemical, Carbon dioxide (CO₂)

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus and protective suit. Evacuate personnel and keep up-wind of fire.

Specific Hazards: Heavy water spray on molten material may scatter and spread fire.

Hazardous Decomposition and/or Combustion Products: Irritating and toxic gases may be generated by thermal decomposition and combustion.

Risk of Dust Explosion: Not established

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear safety glasses when working with material. Review sections 5, 7, and 8 before proceeding with clean-up.

Methods for Cleaning Up: Shovel or sweep up solid material

Environmental Precautions: Do not discharge to streams, ponds, lakes, or sewers

7. HANDLING AND STORAGE

Handling: Always wear safety glasses when working with material.

Storage: Store in cool, dry place. Keep container closed to prevent accidental spills, and contamination. Avoid excessive heat or heat sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Exposure limits for those components with limits are stated below.

Limestone, CAS RN 1317-65-3	US OSHA – PEL: 15 mg/m ³ Total Dust US OSHA – PEL: 5 mg/m ³ Respirable Dust US ACGIH – TLV: 10 mg/m ³ Total Dust
Crystalline Silica, quartz CAS RN 14808-60-7	US OSHA – PEL: (10 mg/m ³)/(%SiO ₂ + 2) (respirable) US OSHA – PEL: (30 mg/m ³)/(%SiO ₂ + 2) (Total Dust) US ACGIH – TLV: 0.05 mg/m ³ TWA Respirable Fraction
Zinc Oxide, CAS RN 1314-13-2	US OSHA – PEL: 15 mg/m ³ Total Dust US OSHA – PEL: 5 mg/m ³ Respirable Dust US ACGIH – TLV: 10 mg/m ³ Total Dust US ACGIH – TLV: 2 mg/m ³ Respirable Dust US ACGIH – STEL: 10 mg/m ³ Respirable Dust
Petroleum Distillates (Naptha)	US OSHA – PEL: 400 ppm US ACGIH – TLV: 400 ppm
Calcium Silicate, CAS RN 1344-95-2	US OSHA – PEL: 15 mg/m ³ Total Dust US OSHA – PEL: 5 mg/m ³ Respirable Fraction US ACGIH – TLV: 10 mg/m ³ TWA
Dust, or Particulates Not Otherwise Specified:	US OSHA – PEL: 15 mg/m ³ Total Dust US ACGIH – TLV: 10 mg/m ³ Total Dust

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time Weighted Average

US ACGIH: United States American Conference of Governmental Industrial Hygienists

US OSHA: United States Occupational Safety and Health Administration

ENGINEERING CONTROLS

Ensure adequate ventilation to maintain exposures below occupational limits. Provide appropriate exhaust ventilation at machinery and places where material is used.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection:	Wear NIOSH approved respiratory protection if engineering controls are not adequate to maintain exposures below specified limits, or if risk assessment indicates respiratory protection is necessary.
Hand Protection:	Wear chemical impervious gloves.
Eye Protection:	Wear chemical resistant goggles.
Skin and Body Protection:	Wear chemical impervious clothing to avoid skin contact.
Other:	Eyewash and safety showers should be readily available in the

immediate work area for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gray Solid
Odor:	Rubber like
pH	Not Applicable
Vapor Pressure:	Not Established
Boiling Point/Range:	Not Established
Melting Point/Range:	Not Established
Water Solubility:	Insoluble
Density:	Not Established
Specific Gravity:	1.25
% Volatile (by Volume):	Not Established
Evaporation Rate:	Not Established
Viscosity:	Not Established

10. STABILITY AND REACTIVITY

Stability:	Stable at normal temperatures and storage conditions
Hazardous Polymerization:	Will not occur
Mechanical Sensitivity (shock):	Not Applicable
Conditions to Avoid:	Excessive heat
Hazardous Decomposition and/or Combustion Products:	Decomposition is a function of both processing temperature and time at that temperature. Depending on conditions, the ingredients may produce Carbon Monoxide, Carbon Dioxide, and other combustion gases.
Static Discharge Effects:	None Established

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral LD50:	Not Established
Inhalation LC50:	Not Established
Dermal LC50:	Not Established
Eye Irritation:	Not Established
Skin Irritation:	Not Established

CHRONIC TOXICITY

Carcinogenic Effects:	Not Established
Mutagenic Effects:	Not Established
Reproductive Toxicity:	Not Established
Sensitizing Effects:	Not Established
Synergistic Materials:	Not Established

12. ECOLOGICAL INFORMATION

Information given is based on data on the components and the toxicology of similar products.

Aquatic Toxicity:	No data has been established on the product itself, Toxicity is expected to be low based on its insolubility in water.
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ENVIRONMENTAL FATE

Mobility:	Not Established
Bioaccumulation:	Not Established
Persistence / Degradability:	Not Established
Distribution to Environmental Compartments:	Not Established

13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 2 of this MSDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

RCRA Classification (40 CFR 261): Dispose of in accordance with all applicable federal, state and local regulations.

Unused and Uncontaminated Product: Dispose of in accordance with all applicable federal, state and local regulations.

14. TRANSPORTATION INFORMATION

DOT: Not regulated

15. REGULATORY INFORMATION**Hazard Classification**

United States – OSHA (29 CFR 1910.1200): This product is classified as hazardous under OSHA

International Inventories

All components of this product are listed on or exempt from the following inventories:

- (yes) - Australian Inventory of Chemical Substances (AICS)
- (yes) - Domestic Substances List (DSL)
- (yes) - Chinese Inventory
- (yes) - European Inventory of Existing Commercial Substances (EINECS)
- (yes) - Japanese Existing and New Chemical Substances (ENCS)
- (yes) - Korean Existing Chemicals List (KECL)
- (yes) - New Zealand Hazardous Substances and New Organisms Act (HSNO)
- (yes) - Philippine Inventory of Chemicals and Chemical Substances (PICCS)
- (yes) - United States Toxic Substances Control Act (TSCA) Inventory

U.S. Federal Regulations

TSCA 12(b) Export Notification: None

Clean Air Act amendments of 1990 (CAA, Section 11240: CFR 82): None

Clean Water Act (CWA, 40 CFR 116): None

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA, 40 CFR 302): None

Superfund Amendments and Reauthorization Act, Title III (SARA):

SARA Section 302 (40 CFR 355) Extremely Hazardous Substances: Contains no EHS materials

SARA Section 311/312 (40 CFR 370) Hazard Category: None

SARA Section 313 (40 CFR 372) Toxics Release Inventory: None

U.S. State Regulations

California Proposition 65: This product contains, or may contain, chemical(s) known to the State of California to cause cancer birth defects or other reproductive harm

16. OTHER INFORMATION**HMIS Rating**

HMIS Index: *- chronic, 0 – Minimal, 1 – slight, 2- moderate, 3 – serious, 4 –severe

Health: 1

Flammability: 0

Physical Hazard: 0

Additional Contacts:

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