

578.20

## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION

NITTO DENKO AUTOMOTIVE  
8485 Prospect  
Kansas City, MO 64132

Information Phone: 816 444 3611

PRODUCT NAME: 578.20

PRODUCT TYPE: Sealing compound

FAMILY / CHEMICAL NAME: Rubber and /or polymer compound

MSDS PREPARED BY: Scott Cogbill

Date: 6 August 2009

Revision: 03

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS NUMBER & COMPONENT	OSHA PEL	ACGIH TLV	Listed as carcinogen NTP, NIOSH, IARC, or OSHA
1317-65-3     Calcium carbonate	15 mg/m <sup>3</sup> (Total Dust) 5 mg/m <sup>3</sup> (Respirable) <sup>1</sup>	10 mg/m <sup>3</sup> (Total Dust) 3 mg/m <sup>3</sup> (Respirable) <sup>2</sup>	No
14807-96-6     Talc	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	No
64742-54-7     Petroleum hydrocarbon	5 mg/m <sup>3</sup> (oil mist)	5 mg/m <sup>3</sup> (oil mist)	No

<sup>1</sup> OSHA Permissible Exposure Limit (PEL) for nuisance dusts

<sup>2</sup> NIOSH Threshold Limit Value (TLV) for nuisance dusts

#### OSHA REGULATORY STATUS

This solid material, as supplied, is not expected to present the user with any health risks. OSHA and ACGIH have not established any specific exposure limits for this compounded material. If dust exposure results from grinding, cutting, sanding, etc., the OSHA/ ACGIH nuisance dusts exposure limits should be followed.

### 3. HAZARDS IDENTIFICATIONS

#### EMERGENCY OVERVIEW

This product is an off white to gray, soft rubber compound. As supplied, this product is not expected to cause any adverse health or physical effects when used in accordance with good industrial and safety practices. It does not present any unusual fire hazard. There are no spill containment concerns.

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### **POTENTIAL HEALTH EFFECTS**

**EYES:** May irritate or scratch the eye if the material comes into direct contact.

**SKIN:** Prolonged contact may cause irritation. May cause allergic reactions or sensitization in susceptible individuals.

**INGESTION:** Not expected to be a hazard in normal industrial use.

**INHALATION:** Contains no volatile components. Inhalation is not a hazard in normal use.

### **4. FIRST AID MEASURES**

**EYES:** Treat as any foreign particle. Flush eyes with running water for several minutes until all of the material is removed. Seek medical attention if irritation persists.

**SKIN:** Wash thoroughly with soap and water if any signs of irritation appear. Individuals who show symptoms of an allergic reaction or sensitization should seek medical attention and should avoid further contact with this product.

**INGESTION:** Not applicable.

**INHALATION:** Not applicable.

### **5. FIRE FIGHTING MEASURES**

#### **FLAMMABLE PROPERTIES**

**FLASHPOINT:** > 350°F

#### **FLAMMABLE LIMITS**

**LFL:** Not established.

**UFL:** Not established.

**EXTINGUISHING MEDIA:** Water fog, foam, carbon dioxide, dry chemical.

**FIRE & EXPLOSION HAZARDS:** This material is not considered flammable or combustible, but will burn if involved in a fire. It may release dangerous combustion products including compounds of carbon, hydrogen, nitrogen and oxygen including carbon monoxide.

**FIRE FIGHTING EQUIPMENT:** Wear full bunker gear including a positive pressure self-contained breathing apparatus.

### **6. ACCIDENTAL RELEASE MEASURES**

Recover material and place into suitable container. Dispose of in accordance with federal, state, and local regulations.

### **7. HANDLING AND STORAGE**

Store away from sunlight at temperatures not to exceed 95°F for maximum shelf life. No special handling is required.

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** None needed.

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**PERSONAL PROTECTION:** Cotton or other cloth gloves. The use of safety glasses is not required; however, it is a good industrial practice.

**GENERAL HYGIENE CONSIDERATIONS:** There are no known health hazards when this material is used as recommended. In accordance with good industrial hygiene practices, operators should wear gloves to minimize exposure. Contaminated gloves should be discarded. Wash hands after use and before eating or drinking.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Off-white to gray, soft rubber compound

**ODOR:** No appreciable odor

**SPECIFIC GRAVITY:** 1.7 ± 0.1

**BOILING POINT:** Not applicable.

**VAPOR PRESSURE:** Less than 0.01 mm Hg at 25C

**PERCENT VOLATILE:** Less than 1%

**VOC CONTENT (Theoretical, in LBS./GAL.):** 0

**SOLUBILITY IN WATER:** Negligible

**pH:** Not applicable

### **10. STABILITY AND REACTIVITY**

**GENERAL:** This product is stable and hazardous decomposition will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None identified.

### **11. TOXICOLOGICAL INFORMATION**

No human or animal toxicology studies have been done on this compound. No acute or chronic hazards are known. As a solid material with no volatile ingredients, routes of exposure are limited. Irritation or possible sensitization from prolonged skin contact are potential concerns. Sensitization has not been reported, but may occur in susceptible individuals.

### **12. ECOLOGICAL INFORMATION**

This compound contains no volatile ingredients and is not soluble in water and, as such, is not expected to present any threat to air or water quality in normal use. See Section 13 for disposal concerns for damaged or unwanted material.

### **13. DISPOSAL CONSIDERATIONS**

Refer to federal, state, and local regulations regarding the proper disposal of this material.

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#### **14. TRANSPORT INFORMATION**

This material is not classified as hazardous by DOT regulations.

#### **15. REGULATORY INFORMATION**

##### **U. S. FEDERAL REGULATIONS**

**TSCA:** All of the ingredients of this material are listed on the inventory or are exempt from listing.

**OSHA:** Not classified as a hazardous material.

**DOT:** Not regulated.

**SARA Title III, Section 311/312 Hazard Categories:** None.

**SARA Title III, Section 313 Reportable Substances:** None

**CERCLA Reportable Quantity Substances:** None.

**RCRA:** Not classified as a hazardous waste

#### **16. OTHER INFORMATION**

MSDS was revised to reflect new company name and address – 6 August 2009.

The information and recommendations contained herein are based on data believed to be correct. However, no warranty of any kind, expressed or implied, is made with respect to the information supplied. Final determination of the suitability of any material is the sole responsibility of the user.