

ND Industries, Inc.**HMIS**

ND730 Gasket Material

Manufacturer MSDS Number: ND3270

HEALTH	2
FIRE	1
REACTIVITY	0
PPE	C

**SECTION 1 : Chemical Product and Company Identification****MSDS Name:** ND730 Gasket Material**Manufacturer Name:** ND Industries, Inc.**Address:**1893 BARRETT ROAD
TROY, MICHIGAN 48084

24 hr. EMERGENCY CHEMTREC: 1-800-424-9300

Business Phone: (248) 288-0000**Business Fax:** (248) 288-0022

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Manufacturer MSDS Revision Date:

6/27/07

Supersedes: 11/23/2004

Supersedes: 3/16/05

HMIS**Health Hazard:** 2**Fire Hazard:** 1**Reactivity:** 0**Personal Protection:** C**PREPARED BY:**

Chemical Safety

Vibra-TITE™

RECOMMENDED NFPA/HMIS RATING:

Note: ratings may differ according to application, environment, and physical state.

Product Codes:



TOP

SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	Percent	
Methacrylated Oligomer	82339-26-2	55-65%	

OSHA PEL TWA: Not Established**ACGIH TLV TWA:** Not Established

ND-09-569

Chemical Name	CAS#	Percent	
Polymer Modifier	68515-40-2	20-25%	

OSHA PEL TWA: Not Established**ACGIH TLV TWA:** Not Established

ND-09-541

Chemical Name	CAS#	Percent	
Methacrylate Monomer	25852-47-5	5-10%	

OSHA PEL TWA: Not Established**ACGIH TLV TWA:** Not Established

ND-09-332

Chemical Name	CAS#	Percent	
Silica	112045-52-5	2-7%	

Unit	112753-02-0		
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OSHA PEL TWA: Not Established

ACGIH TLV TWA: 10 mg/m3

ND-09-101

Chemical Name	CAS#	Percent	
Saccharin	81-07-2	.5-2%	

OSHA PEL TWA: Not Established

ACGIH TLV TWA: Not Established

ND-09-150

Chemical Name	CAS#	Percent	
Cumene Hydroperoxide	80-15-9	.5-2%	

OSHA PEL TWA: Not Established

ACGIH TLV TWA: Not Established

ND-09-151

Comments:

N.A. = Not Applicable/N.E. = Not Established

The remaining components of this product are not considered hazardous substances or are below reportable levels under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

All ingredients are listed on the TSCA Inventory.



TOP

SECTION 3 : Physical And Chemical Characteristics

Physical State/Appearance:

Thick, deep paste.

Color:

Red

Vapor Pressure:

Not Established

Vapor Density:

Not Established air = 1

Boiling Point:

Not Established

Melting Point:

Not Established

Solubility:

IN WATER: Not soluble

Specific Gravity:

1.10 water = 1

Density:

OF COATING: 9.174

Evaporation Point:

Not Established

Volatile Organic Compound Content:

##/gal.: 1.193

FlashPoint:

> 93 deg C

Auto Ignition Temp:

Not Determined

Upper Flammable Explosive Limit:

% IN AIR: Not Determined

Lower Flammable Explosive Limit:

% IN AIR: Not Determined

WATER REACTIVE: No



TOP

SECTION 4 : Fire And Explosion Hazards

Flash Point:

> 93 deg C

Flash Point Method:

PMCC

Upper Flammable or Explosive Limit: % IN AIR: Not Determined

Lower Flammable or Explosive Limit: % IN AIR: Not Determined

Auto Ignition Temperature: Not Determined

Extinguishing Media:

Use dry chemicals, foam, CO2, water and/or water fog.

Fire Fighting Instructions:

Wear NIOSH approved self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode when fighting fires. Cool fire exposed containers.

Unusual Fire Hazards:

AND CONDITIONS TO AVOID: Containers may rupture due to exothermic polymerization under fire conditions. Water may cause material frothing.



TOP

SECTION 5 : Health Hazards

Applies to All Ingredients:

Potential Health Effects:

Eye Contact:

May cause severe irritation and damage.

Skin Contact:

Product is harmful to skin. May cause dermatitis with prolonged contact in sensitive individuals.

Inhalation:

Not likely a route of exposure.

Ingestion:

May cause slight irritation to mouth, throat and upper respiratory tract.

Chronic Health Effects:

None known

Carcinogenicity:

No

Methacrylated Oligomer:

Skin Effects:

Dermal LD50: Not Determined

Ingestion Effects:

Oral LD50: Not Determined

Inhalation Effects:

Inhalation LC50: Not Determined

Polymer Modifier:

Skin Effects:

Dermal LD50: > 7940 mg/kg (rabbit)

Ingestion Effects:

Oral LD50: > 15800 mg/kg (rat)

Inhalation Effects:

Inhalation LC50: Not Determined

Methacrylate Monomer:

Skin Effects:

Dermal LD50: Not Determined

Ingestion Effects:

Oral LD50: Not Determined

Inhalation Effects:

Inhalation LC50: Not Determined

Silica:

Skin Effects:

Dermal LD50: > 2000 mg/kg (rabbit)

Ingestion Effects:

Oral LD50: > 1000 mg/kg (rat)

Inhalation Effects:

Inhalation LC50: Not Determined

Saccharin:

Skin Effects:

Dermal LD50: Not Determined

Ingestion Effects:

Oral LD50: Not Determined

Inhalation Effects:

Inhalation LC50: Not Determined

Cumene Hydroperoxide:

Skin Effects:

Dermal LD50: Not Determined

Ingestion Effects:

Oral LD50: Not Determined

Inhalation Effects:

Inhalation LC50: Not Determined



TOP

SECTION 6 : Emergency And First Aid Procedures

Eye Contact:

Flush eyes with generous amounts of water for at least 15 minutes, lifting both upper and lower eyelids frequently. Get medical attention.

Skin Contact:

Thoroughly wash exposed area with soap and water. Do not use organic solvents on skin. If irritation develops, seek medical attention. Launder clothing before reuse.

Inhalation:

If victim is overcome by exposure to fumes, remove them to fresh air and administer CPR as necessary. Seek medical attention.

Ingestion:

DO NOT INDUCE VOMITING. Dilute by drinking plenty of water and seek medical attention.



TOP

SECTION 7 : Reactivity Data

Chemical Stability:

Stable

Conditions to Avoid:

Elevated temperatures above 99 deg F for prolonged periods. Removal of oxygen. Contamination.

Incompatibilities with Other Materials:

Polymerization initiators, strong alkalis and oxidizing or reducing agents, oxygen scavengers.

Reactivity:

WATER REACTIVE: No

Hazardous Polymerization:

May occur

Hazardous Decomposition Products:

Oxides of carbon.



TOP

SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

Dike or contain spill with inert materials and transfer liquid to containers for recovery or disposal. Avoid runoff into storm sewers or into waterways. Immediately extinguish all sources of ignition, flame, heat, etc. until area is free from explosive hazard. Absorb material in inter filler or floor absorb and transfer to a ventilated area for proper disposal.

Other Precautions:

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION: None known.

Handling:

Frost sensitive. Do not freeze. Store in a cool dry place.

Storage:

Frost sensitive. Do not freeze. Store in a cool dry place.

Hygiene Practices:

Always practice good personal hygiene when working with chemicals. Be sure to wash hands after using product.

Waste Disposal:

Discharge, treatment, or disposal may be subject to national, state or local laws. Based on our knowledge of the product, its raw materials and processes employed during its manufacture, we believe it is unlikely that this product is hazardous waste for federal RCRA purposes. We recommend that you carry out your own tests and evaluations prior to discarding any materials.

DOT Shipping Name:

Not regulated



TOP

SECTION 9 : Control Measures

Ventilation System:

Local Exhaust:

Yes

Hand Protection Description:

PROTECTIVE GLOVES: Use appropriate chemical resistant gloves: rubber or nitrile.

Eye/Face Protection:

Wear NIOSH approved safety glasses with side shields.

Protective Clothing/Body Protection:

PROTECTIVE CLOTHING AND EQUIPMENT: If there is a chance of contact with clothing or large surface areas of skin, protective clothing should be used to prevent unnecessary exposure. Eye wash fountains and safety showers should be available for emergency use.

Respiratory Protection:

If product is being used at excessive, elevated temperatures, wear a NIOSH approved respirator.

HYGIENIC WORK PRACTICES: Always practice good personal hygiene when working with chemicals. Be sure to wash hands after using product.



TOP

SECTION 10 : Other Information

Applies to All Ingredients:

TSCA 8(b): Inventory Status

All ingredients are listed on the TSCA Inventory.

Section 313 Toxic Release Form:

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting

requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CHEMICAL NAME: Cumene

CAS #: 98-82-8

Section 112(r): Clean Air Act

This product contains the following hazardous Air Pollutants:

Chemical Name: 1,4-Benzenediol (Hydroquinone)

CAS#: 123-31-9

< 0.001% by wt.

OSHA 29 CFR 1200:

The remaining components of this product are not considered hazardous substances or are below reportable levels under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

State:

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

Cumene Hydroperoxide:

Section 313 Toxic Release Form:

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CHEMICAL NAME: Cumene Hydroperoxide

CAS #: 80-15-9

HMIS:

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: C

MSDS Revision Date:

6/27/07

Supersedes: 11/23/2004

Supersedes: 3/16/05

MSDS Author:

PREPARED BY: Chemical Safety

Disclaimer:

The information contained herein is based on the data available to us and is believed to be correct. However, ND Industries®, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their properties prior to use. Since conditions of use are beyond our control, all risks are assumed by the user.

Comment:

Vibra-TITE is a trademark of ND Industries, Inc.

Abbreviations:

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RECOMMENDED NFPA/HMIS RATING:

Note: ratings may differ according to application, environment, and physical state.