

ND INDUSTRIES , INC. 1893 BARRETT ROAD TROY, MICHIGAN 48084 (248) 288-0000 Fax: (248) 288-0022 24 hr. EMERGENCY CHEMTREC:

1-800-424-9300

PRODUCT: 111200 (111) Screw Grade™ Removable

MSDS ID: ND2054 Threadlocker/Sealant

ORIG. DATE: 11/5/97
REV. DATE: 6/14/06
REV. DATE: 5/31/07

PREPARED BY: Chemical Safety

| SECTION I | -Material Identification and Information | H: 2 | F: 1 | R: 1 | PPEC |
|-----------|--|------|------|------|------|
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| COMPONENTS | | CAS # | PERCENT % | OSHA PEL | ACGIH TLV | OTHER LIMITS RECOMMENDED |
|---------------------------|------------|------------|--------------|-------------|--------------|-----------------------------|
| Methacrylate monomer | NDA-11-332 | 25852-47-5 | 50-55 | n.e. | n.e. | |
| Polyethylene glycol ester | NDA-11-149 | 18268-70-7 | 35-40 | n.e. | n.e. | |
| Silica | NDA-11-147 | 67762-90-7 | 2-5 | n.e. | n.e. | |
| Saccharin | NDA-11-150 | 81-07-2 | 2-5 | n.e. | n.e. | |
| Cumene hydroperoxide | NDA-11-151 | 80-15-9 | 1-3 | n.e. | n.e. | |

All ingredients are listed on the TSCA Inventory.

n.a.= not applicable / n.e.=not established

VOC #/gal. : 1.016

DENSITY OF COATING:

SECTION II -Physical and Chemical Characteristics

BOILING POINT: > 200°C

VAPOR DENSITY: n.e. air = 1

VAPOR PRESSURE: n.e.

MELTING POINT: n.a.

SPECIFIC GRAVITY: > 1.0 water = 1

EVAPORATION RATE: n.a.

WATER REACTIVE: No

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: Purple opaque liquid with cumene odor.

SECTION III - Fire and Explosion Hazard Data

FLASH POINT: > 160°C PMCC

AUTOIGNITION TEMPERATURE: not determined

FLAMMABILITY LIMITS % IN AIR: LEL: not determined UEL: not determined

EXTINGUISHER MEDIA: Use carbon dioxide, foam, dry chemical and/or water spray.

SPECIAL FIREFIGHTING Wear a NIOSH approved self-contained breathing apparatus operated in pressure-demand or other positive

pressure when fighting fires. Sealed containers may rupture explosively if exposed to heat.

PROCEDURES:

UNUSUAL FIRE HAZARDS AND CONDITIONS TO

Combustion of product may produce oxides of carbon.

AVOID:

PRODUCT: 111200 (111) Screw Grade™ Removable Threadlocker/Sealant

SECTION IV - Reactivity Hazard Data

STABILITY: stable: χ unstable:

HAZARDOUS POLYMERIZATION: may occur: will not occur: X

CONDITIONS As supplied; avoid unintentional mixing of material with other and storage temperatures exceeding 120°F and strong

TO AVOID: oxidizing agents.

INCOMPATIBILITY: Avoid strong oxidizing agents and storage temperatures exceeding 120°F. Avoid exposure to steel or rust.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion yields oxides of carbon and possible toxic fumes.

SECTION V - Health Hazard Data

PRIMARY ROUTES OF ENTRY: INHALATION: INGESTION: X SKIN ABSORPTION: X

EYE CONTACT: A primary route of exposure that will cause eye irritation characterized by excessive tearing, redness and blinking.

Flush eyes with generous amounts of water for 20-30 minutes, lifting both upper and lower eyelids occasionally.

FIRST AID: Get medical attention.

SKIN A primary route of exposure that may cause moderate skin irritation and allergic skin reaction. May cause rash,

CONTACT: redness, swelling and blistering (symptoms may be delayed)

Thoroughly wash exposed area with soap and water. If irritation develops, seek medical attention, Launder

FIRST AID: clothing before reuse.

INHALATION: As supplied; not a significant hazard. However vapors generated at elevated temperatures, may cause

respiratory tract irritation. Symptoms may include coughing, mucous production and shortness of breath.

FIRST AID: If overcome by exposure, victim should be removed to fresh air immediately. Give artificial respiration as needed.

Get immediate medical attention.

INGESTION: Ingestion may cause irritation of the gastrointestinal tract and depression of the central nervous system leading to

loss of consciousness.

FIRST AID: Do no induce vomiting. Immediately seek medical attention.

CHRONIC Material or its emissions may defat skin, cause contact dermatitis and thereby aggravate existing skin or systemic

EFFECTS: diseases.

Carcinogenic: Contains saccharin which has been determined to cause cancer in laboratory animals.

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Component Oral LD50 Dermal LD50 Inhalation LC50

not determined not determined not determined Methacrylate monomer not determined not determined Polyethylene glycol ester not determined not determined not determined Silica >5000 mg/Kg (Rat) not determined not determined Saccharin not determined

800-1600 mg/Kg (Rat) Severe irritation (delayed)

700 ppm (Rat)

SECTION VI - Control and Protective Measures

RESPIRATORY Not necessary with normal use.

PROTECTION:

Cumene hydroperoxide

PROTECTIVE Use rubber or vinyl.

GLOVES:

EYE PROTECTION: Wear NIOSH approved safety glasses.

VENTILATION LOCAL EXHAUST: X MECHANICAL: SPECIFIC:

TO BE USED: OTHER (specify):

PROTECTIVE CLOTHING Wear impervious clothing to prevent repeated, prolonged skin contact.

AND EQUIPMENT:

HYGIENIC WORK Practice good personal hygiene and wash hands after handling product.

PRACTICES:

SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Absorb loose material on inert filler and place in suitable container for proper disposal.

WASTE DISPOSAL Dispose of material in accordance with local, state and federal regulations.

METHODS:

SAFE HANDLING Avoid prolonged skin contact. Store product in a cool dry place.

AND STORAGE:

OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

This material contains inhibitors which upon depletion can result in an excessive thermal reaction.

RECOMMENDED HEALTH 2 FLAMMABILITY 1 REACTIVITY 1 PERSONAL C PROTECTION

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

| PRODUCT: | 111200 (111) Screw Gr | ade™ Remo | ovable Threadl | ocker/Sea | lant | | |
|------------------------------------|---|----------------------|--------------------------------|-------------------|-----------------------------------|----------------|--------------------|
| NOTES: | | | | | | | |
| DOT Shipping Nan Not regulated. | ne: | | | | | | |
| Not regulated. | | | | | | | |
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| | SECTIO | ON 313 SU | JPPLIER NO | TIFICAT | <u>ION</u> | | |
| | notification from the Ma same requires this attac | terial Safet | ty Data Sheet i | | | ny copying or | |
| This product co | ntains the following tox | ic chemical | ls subject to th | | | of section 31 | 3 |
| of the Emergen CAS # | cy Planning and Commu | | To-Know Act of HEMICAL NAME | of 1986 and | nd 40 CFR 372: <u>% BY WEIGHT</u> | | |
| 80-15-9 107-21-1 | | Cumene hydroperoxide | | | 1.60 | | |
| 107-21-1 | | Lu | nylene glycol | | | | |
| | | | | | | | |
| | | | | | | | |
| <u>-</u> | tains the following materia of 1986 are recognized to | | | - | of the Safe Drink | ding Water and | Toxic |
| | Material | CAS# | Concentration % | Cancer _Agent_ | ReproductiveToxin | ν | roductive Toxin |
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| Screw Grade is a | a trademark of ND Indus | tries®, Inc. | Vibra-TITE is | a tradema | rk of ND Indust | ries, Inc. | |
| Inc. makes no warr | ntained herein is based on the anty, expressed or implied reg | arding the ac | curacy of these da | ita or the res | ults to be obtained | from the use | |
| | on is supplied upon the conditi properties prior to use. Since | | | | | | |
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