



## MATERIAL SAFETY DATA SHEET

### SILCON<sup>®</sup>, NI-108 SILICONE RUBBER TUBING

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#### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

NewAge<sup>®</sup> Industries, Inc.  
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MSDS No.: 009101060

Current Version 04/11/13

Generic Description: Silicone Rubber  
Physical Form: Solid Tubing  
HMIS: Health 1 Flammability 1 Reactivity 0  
NFPA: Health 1 Flammability 1 Reactivity 0

#### SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

| <u>PRODUCT COMPOSITION</u>  | <u>CAS NUMBER</u> | <u>WGT. %</u> |
|---|-------------------|---------------|
| A. HAZARDOUS<br>None found  |                   |               |
| B. NON-HAZARDOUS<br>Siloxanes and Silicones, di-Me,<br>Me vinyl, vinyl group-terminated | 68083-18-1        | 60-100%       |
| Treated Fumed Silica  | 68583-49-3        | 10-30%        |
| Siloxanes and Silicones,<br>di-Me hydroxy terminated                                    | 70131-67-8        | 1-5%          |

#### SECTION 3 - HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

CAUTION! May cause eye irritation.

Color: Colorless

##### POTENTIAL HEALTH EFFECTS

###### INGESTION

No adverse effects are expected under normal conditions of use.

###### SKIN

Plant experience has shown that skin hazard is not applicable in this form.

###### INHALATION

No adverse effects are expected under normal conditions of use.

###### EYES

May cause eye irritation.



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#### CHRONIC EFFECTS / CARCINOGENICITY

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

#### ROUTES OF EXPOSURE

None known.

### SECTION 4 - FIRST AID MEASURES

#### INGESTION

If swallowed, do NOT induce vomiting. Give a glass of water.

#### SKIN

Wash with soap and water.

#### INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

#### EYES

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### NOTE TO PHYSICIAN

Treatment is symptomatic and supportive.

### SECTION 5 - FIRE FIGHTING MEASURES

#### FLAMMABLE LIMITS LEL:

Not applicable

#### SENSITIVITY TO MECHANICAL IMPACT:

No

#### SENSITIVITY TO STATIC DISCHARGE

Sensitivity to static discharge is not expected.

#### EXTINGUISHING MEDIA

All standard extinguishing agents are suitable.

#### SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.



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#### SECTION 7 - HANDLING AND STORAGE

##### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid contact with eyes. Keep container closed. Keep out of reach of children. May generate formaldehyde at temperatures greater than 150 C(300 F). See Section 8 of the MSDS for Personal Protective Equipment.

##### STORAGE

Keep away from heat, sparks and open flame.

#### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

##### ENGINEERING CONTROLS

Eye wash facilities and emergency shower must be available when handling this product.

##### RESPIRATORY PROTECTION

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29CFR 1910.134).

##### PROTECTIVE GLOVES

Cloth gloves.

##### EYE AND FACE PROTECTION

Safety glasses with side-shields conforming to EN166.

##### OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

##### EXPOSURE GUIDELINES

| <u>Component</u> | <u>CAS-No.</u> | <u>Source</u> | <u>Value</u> |
|------------------|----------------|---------------|--------------|
|------------------|----------------|---------------|--------------|

Absence of values indicates none found.

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average; INTL REL - Internal Recommended Exposure Limit

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338)

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

|                                |                   |
|--------------------------------|-------------------|
| VAPOR PRESSURE (20 C) (MM HG): | Negligible        |
| VAPOR DENSITY (AIR=1):         | Negligible        |
| COLOR:                         | Colorless         |
| SPECIFIC GRAVITY:              | 1.15              |
| ACID / ALKALINITY (MEQ/G):     | No data available |
| pH:                            | Not applicable    |
| SOLUBILITY IN WATER (20 C):    | Insoluble         |
| SOLUBILITY IN ORGANIC SOLVENT: | Insoluble         |
| VOLATILE ORGANIC CONTENT:      | < 1 %(m)          |



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#### SECTION 10 - STABILITY AND REACTIVITY

##### STABILITY

Stable

##### HAZARDOUS POLYMERIZATION

Will not occur

##### HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS

Carbon dioxide; Silicon dioxide.; Formaldehyde.; This product contains methylpolysiloxanes which will likely generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and has been classified by the National Toxicology Program as a known human carcinogen. A MSDS for formaldehyde is available from Momentive. See Section 11 for additional information on formaldehyde.

##### INCOMPATIBLE MATERIALS

None known.

##### CONDITIONS TO AVOID

None known.

#### SECTION 11 - TOXICOLOGICAL INFORMATION

##### ACUTE ORAL

Remarks: None known.

##### CARCINOGENICITY

The National Toxicology Program (NTP) classifies formaldehyde as "known to be a human carcinogen" with respect to nasopharyngeal cancer, sinonasal cancer and myeloid leukemia. The International Agency for Research on Cancer (IARC) classifies formaldehyde as "carcinogenic to humans". U.S. OSHA regulates formaldehyde as a potential human carcinogen. See the OSHA Formaldehyde Workplace Standard at 29 CFR 1920.1048 (the "OSHA Standard"). Safe handling and use instructions are provided in this MSDS and in the OSHA Standard. OSHA has identified 0.5 ppm, calculated as an eight-hour time-weighted average ("TWA") concentration, as the "Action Level". Please review and understand the guidance contained in this MSDS, and refer to the OSHA Standard for regulatory requirements that might be applicable to your operation and use. Many studies and other evaluations have been performed concerning formaldehyde's potential to cause cancer. To review some of these studies and for further information go to [www.osha.gov](http://www.osha.gov); <http://monographs.iarc.fr>; <http://ntp-server.niehs.nih.gov>; <http://epa.gov>; <http://www.nap.edu> and other authoritative websites then search on formaldehyde.

##### ACUTE DERMAL

Remarks: None known.

##### ACUTE INHALATION

Remarks: No data available.

##### SENSITIZATION

Not applicable

##### SKIN IRRITATION.

Not applicable

##### EYE IRRITATION

Not applicable

##### MUTAGENICITY

No data available.



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SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY

Ecotoxicological data for this product is not available.

DISTRIBUTION

No data available.

CHEMICAL FATE

No data available.

SECTION 13 - DISPOSAL INFORMATION

DISPOSAL METHODS

Disposal should be made in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Further Information:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

SECTION 15 - REGULATORY INFORMATION

Inventories

|  |                      |                   |
|--|----------------------|-------------------|
| Australia Inventory of Chemical Substances (AICS)                  | n (Negative listing) |                   |
| Japan Inventory of Existing & New Chemical Substances (ENCS)       | n (Negative listing) |                   |
| China Inventory of Existing Chemical Substances                    | n (Negative listing) |                   |
| Korea Existing Chemicals Inventory (KECI)                          | n (Negative listing) |                   |
| Canada DSL Inventory   | n (Negative listing) |                   |
| Canada NDSL Inventory  | n (Negative listing) |                   |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | n (Negative listing) |                   |
| TSCA list  | y (Positive listing) | On TSCA Inventory |

US Regulatory Information

CERCLA

PRODUCT COMPOSITION      Chemical      CERCLA Reportable Quantity

CALIFORNIA PROPOSITION 65

Warning! This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Canadian Regulatory Information

WHMIS CLASSIFICATION

D2A - Very Toxic Material Causing Other Toxic Effects



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SECTION 16 - OTHER INFORMATION

This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

- |            |   |  |      |   |                           |
|------------|---|--|------|---|---------------------------|
| C          | = | ceiling limit  | NEGL | = | negligible                |
| EST        | = | estimated  | NF   | = | none found                |
| NA         | = | not applicable   | UNKN | = | unknown                   |
| NE         | = | none established   | REC  | = | recommended               |
| ND         | = | none determined  | V    | = | recommended by vendor     |
| SKN        | = | skin   | TS   | = | trade secret              |
| R          | = | recommended  | MST  | = | mist                      |
| NT         | = | not tested   | STEL | = | short term limit exposure |
| ppm        | = | parts per million  | ppb  | = | parts per billion         |
| By-product | = | reaction by-product, TSCA inventory status not required under 40 CFR part 720.30 (h-2) |      |   |                           |

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