



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Product Stewardship Team
Zep Inc.

MAY NATIONAL

MATERIAL SAFETY DATA SHEET

SILICONE UNIVERSAL SEALANT CLEAR 111000

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Silicone Universal Clear 111000
PRODUCT CODE: 111000
ADDRESS: May National Associates, Inc.
995 Towbin Avenue
Lakewood, New Jersey 08701
PHONE: (973) 473-3330
FAX: (973) 473-4222
EMERGENCY PHONE: (CHEMTREC) (800) 424-9300
International (CHEMTREC) (703) 527-3887
REVISION DATE: 1/13/15 SUPERSEDES: 1/13/12

SECTION 2 – COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

This product consists of a mixture/preparation.

CAS No.	Ingredient	Wt %
17689-77-9	Ethyltriacetoxysilane	1 - 5
4253-34-3	Methyltriacetoxysilane	1 - 5

*The above components are hazardous as defined in 29 CFR 1910.1200

SECTION 3 – HAZARDS IDENTIFICATION

MAIN SYMPTOMS:

EYE: Direct contact irritates moderately with redness and swelling.
SKIN: A single short exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately.
INHALATION: Irritates respiratory passages very slightly. Overexposure may cause drowsiness.
ORAL: May cause vomiting.
NFPA HAZARD CODES: Health: 2 Flammability: 1 Reactivity: 0

COMMENTS: When heated to temperatures above 150°C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.

SECTION 4 – FIRST-AID PROCEDURES

INHALATION: Remove to fresh air. If ill effects persist get medical attention.
SKIN CONTACT: Remove from skin and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
EYE CONTACT: Immediately flush with water for 15 minutes. Get medical attention.
INGESTION: Get medical attention. Do not induce vomiting.
COMMENTS: Treat according to person's condition and specifics of exposure.

SECTION 5 – FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Compatible with all usual extinguishing media

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FIRE FIGHTING PROCEDURES:	Wear full protective clothing, positive pressure or pressure demand breathing apparatus and protective covering for exposed areas of the head. If large amount is involved, evacuate area.
FLASH POINT (SETAFLASH):	Greater than >212°F (100°C).
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition product: Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Formaldehyde.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Observe all personal protective equipment recommendations described in Sections 5 and 8.
ENVIRONMENTAL PRECAUTIONS:	Disposal of collected product, residues, and cleanup materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations.
METHODS FOR CLEANING UP:	Ventilate area. Contain spill. Evacuate unprotected personnel from hazard area. Wipe up or scrape up and contain for salvage or disposal. Cover with absorbent, place in approved drum; Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state, and federal reporting requirements may apply to spills or releases of this material into the environment. See applicable regulatory compliance information in Section 15.

SECTION 7 – HANDLING AND STORAGE

HANDLING:	Assure good ventilation. Product evolves acetic acid when exposed to water or humid air. Provide ventilation during use to control acetic acid within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor.
STORAGE:	Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

ENGINEERING CONTROLS:	
LOCAL EXHAUST:	Recommended
GENERAL VENTILATION:	Recommended
PERSONAL PROTECTIVE EQUIPMENT:	
EYE PROTECTION:	Avoid eye contact. Use proper protection - safety glasses as a minimum.
SKIN AND BODY PROTECTION:	Avoid skin contact. Protect hands with impervious rubber gloves and wear typical full cover clothing. Gloves must be checked before each use for signs of degradation and penetration and for proper functioning. Use nitrile or butyl rubber gloves.
RESPIRATORY PROTECTION:	Avoid breathing of vapors. Wear appropriate, properly fitted NIOSH/MSHA approved respirator when the airborne contaminant levels exceed the exposure limits indicated on the MSDS. Follow respirator manufacturer's directions for respirator use.
HYGIENE MEASURES (INGESTION):	Wash hands after handling and before eating.
PRECAUTIONARY MEASURES:	Avoid eye contact. Avoid skin contact. Avoid breathing vapor. Keep container closed. Do not take internally.

Note: These precautions are for room temperature handling. Use at elevated temperatures or in aerosol spray applications may require added precautions.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Solid (Paste)
ODOR:	Acetic acid (vinegar odor)
FLASHPOINT:	Greater than 65 °C (150 °F)
VAPOR PRESSURE (AT 100 °F):	Not Applicable
VAPOR DENSITY:	Not Determined
DENSITY:	7.92 lbs/gal
SOLUBILITY IN WATER (%):	NIL
SPECIFIC GRAVITY (AT 77 °F/25 °C):	0.95
% VOLATILE BY VOLUME:	Not Determined
VOLATILE ORGANIC CONTENT (VOC):	Not Determined
FLASH POINT (SETAFLASH):	Greater than 100 °C (212 °F)
NOTE:	The above information is not intended for use in preparing product specifications.

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable. No hazardous reactions when stored and handled according to prescribed instructions.
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition products as described in Section 5.

SECTION 11 – TOXICOLOGICAL INFORMATION

CHRONIC EXPOSURE:									
SKIN:	Repeat contact with skin may irritate moderately. Acetic acid may cause skin irritation.								
INHALATION:	Vapor overexposure may irritate eyes, nose, and throat. Exposure to acetic acid may cause respiratory tract irritation, although chronic exposure may cause chronic bronchitis								
ORAL:	Swallowing may have adverse effects depending on quantity ingested.								
SPECIFIC EFFECTS:	This material contains the following components with the special hazards listed below. <table><tr><td>Carcinogens:</td><td>None Known</td></tr><tr><td>Teratogens:</td><td>None Known</td></tr><tr><td>Mutagens:</td><td>None Known</td></tr><tr><td>Reproductive toxins:</td><td>None Known</td></tr></table>	Carcinogens:	None Known	Teratogens:	None Known	Mutagens:	None Known	Reproductive toxins:	None Known
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Mutagens:	None Known								
Reproductive toxins:	None Known								

SECTION 12 – ECOLOGICAL INFORMATION

Do not allow product to enter waste water drains, waterways or soil. However, when exposed to moisture and air in the environment, the product cures to a solid state in which no leach-able materials will be released.

SECTION 13 – DISPOSAL INFORMATION

PRODUCT DISPOSAL:	<u>RCRA Hazard Class (40 CFR 261)</u> When a decision is made to discard this material, as received, is it classified as a hazardous waste? No State or local laws may impose additional regulatory requirements regarding disposal.
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SECTION 14 – TRANSPORT INFORMATION

DOT Information (49CFR 172.101)

PROPER SHIPPING NAME:	Not Applicable
HAZARD CLASS:	Not Applicable
UN / NA NUMBER:	None

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PACKING GROUP: Not Applicable

SECTION 15 – REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29CFR1910.1200.

US FEDERAL REGULATIONS:

CERCLA/SARA – Hazardous Substances and their Reportable Quantities

Acetic Acid 64-19-7 final RQ = 5000 pounds (2270 kg)

TOXIC SUBSTANCE CONTROL ACT (TSCA):

TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES

None

SARA 311/312 HAZARD CATEGORIES:

Immediate: Yes
Delayed: No
Fire: No
Pressure: No
Reactive: No

Section 313

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:

Chemical	CAS No.	Wt%
Acetic Acid	64-19-7	0.1 – 1.5

STATE REGULATIONS:

This product does comply with the California Air Resources Board maximum for VOC's in a sealant.

STATE RIGHT-TO-KNOW REGULATIONS:

States within the US that have promulgated State Right-to-Know regulations with chemical listing requirements including the chemicals in this product are provided below.

Chemical	CAS No.	Wt%	States
Dimethyl siloxane	70131-67-8	> 50	Pennsylvania, New Jersey
Silica, amorphous	7631-86-9	7-13	Massachusetts, Pennsylvania, New Jersey
Hydrotreated middle petroleum distillates	64742-46-7	> 10	Massachusetts, Pennsylvania, New Jersey
Ethyltriacetoxysilane	17689-77-9	1-5	New Jersey
Methyltriacetoxysilane	4253-34-3	1-5	New Jersey

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INTERNATIONNAL:

Canada

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Canadian DSL

All ingredients in this product are currently listed on the Canadian Domestic Substances List (DSL) and would not be considered new for the purposes of the Canadian Environmental Protection Act (CEPA).

Note:

The recipient of this product should be aware of the possible existence of additional local regulations, which may be applicable to this product.

SECTION 16 – OTHER INFORMATION

These data are offered in good faith as typical values and not as a product specification. No warranty, either 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.