

MATERIAL SAFETY DATA SHEET

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Novoid #254 (Polyethylene Insulating Compound)
Product Description:	N/A
General Use:	Insulating Compound

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance Description:</u>	<u>Percent</u>	<u>CAS #</u>
Polybutene:	60.000-100.000	9003-29-6
Polyethylene:	1.000-5.000	9002-88-4
DISCLOSURE:	Any ingredient claimed as a trade secret will be disclosed in accordance with 29 CFR 1910.1200 (i).	

See Section 8 of this MSDS for any noted exposure limits for these compounds.

Known to be present only as a trace impurity in the finished product - None

SECTION 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

 Warning!
 Liquid
 Aromatic Odor
 Possible Irritation to Eyes, Skin and Respiratory Tract

Eye Contact:	Contact may cause eye irritation.
Skin Contact:	Prolonged or repeated skin contact may cause irritation.
Inhalation:	Harmful if inhaled, may cause allergic respiratory reaction such as asthma.
Ingestion:	No adverse effects expected.
Primary Route of Exposure:	Eyes, skin and respiratory tract.
Medical Conditions Aggravated:	Preexisting skin and eye disorders may be aggravated by exposure to this product. Preexisting skin or lung allergies may increase the chance of developing increased allergic symptoms from exposure to this product.
Carcinogenicity:	IARC – Not Listed OSHA – Not Listed

	NTP – Not Listed
Target Organs:	Ingredients may be toxic to the following organs: Eyes Skin Respiratory Tract
SECTION 4. FIRST AID MEASURES	
Eye Contact:	Immediately wash/flush eyes with water for minimum ten (10) minutes. Seek medical attention.
Skin Contact:	Wash off in flowing water or shower. Remove contaminated clothing and shoes. Seek medical attention, if irritation develops.
Inhalation:	Move to fresh air. If not breathing, give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Seek medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Seek prompt medical attention.
Note to Physician:	Treatment should be directed at the control of symptoms and the clinical conditions.
Antidotes:	There are no specific antidotes.
SECTION 5. FIRE FIGHTING MEASURES	
Flash Point:	392.00 F / 200.00 C
Flash Method:	Closed Cup
Extinguishing Method:	Water fog, carbon dioxide, dry chemical, and foam.
Fire Fighting Procedures:	Recommended use of self-contained breathing apparatus (SCBA).
Fire and Explosion Hazards:	No unusual fire or explosion hazards.
Hazardous Products/Combustion:	Carbon dioxide Carbon monoxide Possible organics Oxides of nitrogen.
SECTION 6. ACCIDENTAL RELEASE MEASURES	
Clean-Up:	Contain spill in natural form or with sand or dirt (inert material). Eliminate all ignition sources. Prevent runoff to storm sewers, ditches and waterways. Shovel or scrape (non-metallic) absorbed waste materials into disposal container. Seal lid tightly with tape or locking ring and label properly. Clean up spill immediately, observing precautions including adequate ventilation and/or personal protective equipment (See Section 8).
SECTION 7. HANDLING AND STORAGE	

Handling:	Plastic containers may be slippery when handling.			
Storage:	Less than twenty-five degrees Centigrade (<25°C) (77°F) for optimum shelf life. Dry atmospheric conditions. Keep containers closed and tightly sealed.			
General Comments:	Do not expose to direct sunlight. Once container is open, use Nitrogen Blanket on material and reseal.			
SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION				
Engineering Controls:	Use local exhaust ventilation near the source.			
Eye Protection:	Safety glasses with side shields Goggles Full face shields			
Skin Protection:	Gloves: PVC, Rubber (Nitrile, Butyl)			
Respiratory Protection:	No respirator is required if ingredient exposure limits are not exceeded. An OSHA approved (29 CFR 1910.134 USA Dept. of Labor), air-purifying respirator with appropriate cartridge should be used if exposure limits are exceeded.			
Other Protection:	A safety shower and eye wash station should be within reasonable distance of the work area.			
EXPOSURE LIMITS/REGULATORY INFORMATION				
Substance Description:	Reg. AGCY	PELTL	STEL	CEIL
Polybutene	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
Polyethylene	OSHA ACGIH	N/D N/D	N/D N/D	N/D N/D
LEGEND:				
EXPOSURE LIMIT DESCRIPTIONS				
CEIL:	Ceiling Exposure Limit			
PELTL:	PEL/TLV (TWA)			
STEL:	Short Term Exposure Limit			
N/D:	Not Determined			
Unit of Measure:	Mg/M3=Milligrams per Meter Cubed			
SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES				
Appearance & Odor:	Liquid, Low Viscosity, Blue Color, Aromatic Odor			
Specific Gravity:	.9			
Vapor Pressure (mm Hg):	0.2			
Vapor Density (Air=1.0):	3.6			
Evaporation Rate:	<0.1			
Solubility in Water:	Insoluble			
Solubility in Other	Ketones			

Solvents:	
Volatile Organic Compounds:	VOC - % 100 VOC – Grams/Liter 920 VOC – lbs/Gal 7.67 ASTM D2369
SECTION 10. STABILITY AND REACTIVITY	
Incompatibilities:	Strong oxidizing agents
Decomposition:	Carbon dioxide Carbon monoxide Possible organics Oxides of nitrogen
Polymerization:	Exothermic
Conditions to Avoid:	High Temperature, open flames
Stability:	Stable
SECTION 11. TOXICOLOGICAL INFORMATION	
Toxicity Data:	Testing has not been performed on this product.
SECTION 12. ECOLOGICAL INFORMATION	
Ecotoxicological Information:	No Specific studies have been conducted on the ecotoxicity or environmental fate of this material; however, commonly available data on the ecotoxicity and environmental fate of certain of the constituents of this material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in Section 8. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases of this material to the environment, and any spills or other uncontrolled releases, which may occur, should be contained and cleaned up immediately in accordance with Section 6.
SECTION 13. DISPOSAL CONSIDERATIONS	
Disposal Considerations:	Legal disposition of waste is the responsibility of the owner/generator of the waste. Applicable federal, state, and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product. Do not dispose of in an uncontrolled manner.
SECTION 14. TRANSPORT INFORMATION	
DOT/IATA PROPER SHIPPING NAME:	Plastic Liquid, N.O.I
DOT/IATA PACKING GROUP:	Not Regulated.
DOT/IATA HAZARD CLASS OR DIV:	Not Regulated.
DOT/IATA LABEL:	Not Regulated.

DOT/IATA PLACARD:	Not Regulated.
DOT/IATA UN NUMBER:	Not Regulated.
DOT/IATA REPORTABLE QTY (LBS):	Not Regulated.
ADR:	Not Regulated.
IMO (IMDG):	Not Regulated.
SCHEDULE B:	3907.30.00002
SECTION 15. REGULATORY INFORMATION	
OSHA Status:	This product is hazardous under the criteria of the Federal (USA) OSHA Hazard Communication Standard 29 CFR 1910.1200. Thermal processing and decomposition fumes from this product may be hazardous as noted in Section 2 and 3.
RCRA Status:	The product user has the responsibility at disposal time to determine if the material should be classified as a hazardous waste (40 CFR 261.20-24 USA Environmental Protection Agency). This product is classified as RCRA non-hazardous waste.
CALIFORNIA PROP 65:	This product contains no chemicals known to the State of California to cause cancer.
TSCA:	All components contained in this product comply with applicable requirements pertaining to the US EPA Toxic Substance Control Act (TSCA) inventory under 40 CFR Part 710 and 720.
Component Polybutene is subject to the following:	
Environmental List	

Component Polyethylene is subject to the following:	
Environmental List:	
311/312 SARA Sect. 311/312	
SECTION 16. OTHER INFORMATION	
*Chronic:	WHMIS – Class B, Div 2; Class D, Div 2, Sub div B
National Fire Protection Association (U.S.A.):	Health: 1 Fire Hazard: 1 Reactivity: 0
DATE: 07/01/09	SUPERSEDES: 01/02/08

NOTICE: This Material Safety Data Sheet (MSDS) conforms to the requirements of OSHA 29 CFR Part 1910 and State of California CCR Title 8, and the recommendations in ANSI Z400.1. The information it contains is offered in good faith as accurate. We have reviewed the information contained in this MSDS, which we received from sources outside our company. We believe that information to be correct, but we make no representations as to the accuracy or completeness thereof. Health and Safety precautions may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. We disclaim any liability for damage or injury which results from the use of the above information and nothing contained therein shall constitute a guarantee, warranty (including warranty of merchantability) or representation (including freedom from any patent liability) by us with respect to the information, the product described, or their use for any specific purpose, even if that purpose is known to us. In no event will we be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information.