

# Safety Data Sheet

A4004

## PRODUCT IDENTIFICATION

Product Name: RETARDER - SUPER # 89 F/LACQ. Product Code: F-2589

**SEAGRAVE COATINGS CORP.**

**209 NORTH MICHIGAN AVE**

**KENILWORTH N.J.07033**

1-201-933-1000

CHEMTREC 1-800-262-8200

Product Use: INDUSTRIAL USE

## Section 2 - Hazards Identification

### GHS Ratings:

Flammable liquid	4	Flash point $\geq 60^{\circ}\text{C}$ ( $140^{\circ}\text{F}$ ) and $\leq 93^{\circ}\text{C}$ ( $200^{\circ}\text{F}$ )
Oral Toxicity	Acute Tox. 4	Oral $>300+ \leq 2000\text{mg/kg}$
Dermal Toxicity	Acute Tox. 2	Dermal $>50+ \leq 200\text{mg/kg}$
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity $\geq 3$ , Iritis $> 1.5$
Reproductive toxin	2	Human or animal evidence possibly with other information

### GHS Hazards

H227	Combustible liquid
H302	Harmful if swallowed
H310	Fatal in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H361	Suspected of damaging fertility or the unborn child

### GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P235	Keep cool
P262	Do not get in eyes, on skin, or on clothing
P264	Wash ... thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see ... on this label)
P322	Specific measures (see ... on this label)
P330	Rinse mouth
P361	Remove/Take off immediately all contaminated clothing
P362	Take off contaminated clothing and wash before reuse
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302+P350	IF ON SKIN: Gently wash with soap and water
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention

P332+P313  
P370+P378  
P405  
P403+P235  
P501

If skin irritation occurs: Get medical advice/attention  
In case of fire: Use ... for extinction  
Store locked up  
Store in a well ventilated place. Keep cool  
Dispose of contents/container as non-hazardous waste in accordance to local and state laws.

**Signal Word: Danger**



### Section 3 - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	100.00%

### Section 4 - First Aid Measures

If affected by inhalation of vapors or spray mist, remove to fresh air and get immediate medical attention.

In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get immediate medical attention.

If contact wash thoroughly with soap and water and flush skin with plenty of water for at least 15 minutes while removing contaminated clothing/shoes. Get immediate medical attention and wash clothing before reuse. Destroy Shoes.

If Swallowed get immediate medical attention.

### Section 5 - Fire Fighting Measures

Flash Point: 66 C (151 F)

LEL: 1.0%

UEL: N/A

fire and explosion hazard data

**EXTINGUISHING MEDIA:** Use carbon dioxide (CO<sub>2</sub>), "alcohol" foam, dry chemical, or water spray/water fog extinguishing systems.

**special fire fighting proedures:** use niosh/msha approved gas amsh for fire fighting prsonal, water may be used to cool containers. if water is used fog nozzles are preferred.

### Section 6 - Accidental Release Measures

**SPILL AND LEAK PROCEDURES:** Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

**see supervisor**

Follow pcribed recommended facility procedure.

### Section 7 - Handling and Storage

RESPIRATORY PROTECTION: NIOSH/OSHA APPROVED RESPIRATOR TYPES SUITABLE FOR MATERIALS IN SECTION 2 RECOMMENDED. APPROVED CHEMICAL FILTERS RECOMMENDED WHEN VENTILATION IS RESTRICTED.  
 VENTILATION: SUFFICIENT, IN VOLUME AND PATTERN SHOULD BE PROVIDED TO KEEP AIR CONTAMINATION BELOW CURRENT APPLICABLE OSHA PERMISSIBLE EXPOSURE LIMIT OR ACGIH'S LIMIT. USE WITH ADEQUATE VENTILATION.  
 PROTECTIVE GLOVES: RECOMMENDED FOR PROLONGED OR REPEATED CONTACT. CHEMICAL RESISTANT PLASTIC OR RUBBER.  
 EYE PROTECTION: CHEMICAL GOGGLES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED. AVOID CONTACT WITH EYES.  
 OTHER PROTECTIVE EQUIPMENT: EYE BATH AND SAFETY SHOWER.  
 HYGIENIC PRACTICES: AVOID CONTACT WITH EYES, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.  
 PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY FROM HEAT, SPARKS AND OPEN FLAME. AVOID PROLONGED SKIN CONTACT. DO NOT BREATHE SPRAY MIST. STORE IN A COOL DRY AREA WITH VENTILATION SUITABLE FOR MATERIALS SHOWN IN SECTION II.  
 OTHER PRECAUTIONS: GROUND CONTAINERS WHILE POURING. AVOID SPONTANEOUS COMBUSTION OR CONTAMINATED RAGS OR OTHER ORGANIC MATERIALS. EMPTY CONTAINERS MAY BE RETAIN HAZARDOUS PROPERTIES AND CAN BE DANGEROUS.

Section 8 - Exposure Controls / Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA

Use explosion proof equipment and good manufacturing practices

Use only with adequate ventilation.

Follow guidelines as stated on the formula carefully.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved before handling this product.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

#### SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point</b> 168 °C <b>Density, lb/gal</b> 7.5 lbs/gal <b>Non-Volatile by Volume</b> 0 Percent <b>VOC Percent by Volume</b> 100 Percent <b>VOCs, lb/gal</b> 7.51 lbs/gal	<b>Specific Gravity (SG)</b> 0.900 <b>Non-Volatile by Weight</b> 0 Percent <b>VOC Percent by Weight</b> 100 Percent N/A <b>VOCs gram/liter</b> 900 g/l
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#### Section 10 - Stability and Reactivity

Hazardous polymerization will not occur.

#### Section 11 - Toxicological Information

##### Mixture Toxicity

Oral Toxicity LD50: 470mg/kg

Dermal Toxicity LD50: 99mg/kg

Inhalation Toxicity LC50: 450mg/L

##### Component Toxicity

111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER

Oral LD50: 470 mg/kg (Rat) Dermal LD50: 99 mg/kg (Rabbit) Inhalation LC50: 450 ppm (Rat)

Blood Eyes Kidneys Liver Central Nervous System Skin Respiratory System

## Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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### Section-12 Ecological Information

#### Component Ecotoxicity

ETHYLENE GLYCOL  
MONOBUTYL ETHER

96 Hr LC50 *Lepomis macrochirus*: 1490 mg/L [static]; 96 Hr LC50 *Lepomis macrochirus*: 2950 mg/L  
48 Hr EC50 *Daphnia magna*: >1000 mg/L

### Section 13- Disposal Considerations

As the US EPA, State, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste. It is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream". Refer to the Title 40 of the Code of Federal Regulations, part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

### Section 14- Transport Information

Not Applicable

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT/ IATA/ PAINT		UN1263	PGII	3

### Section 15- Regulatory information

Additional regulatory listings where applicable

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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### Section 16- Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	3
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

#### HMIS & NFPA Hazard Rating

##### Legend

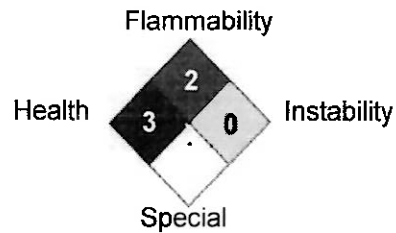
\* = Chronic Health Hazard

0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH



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Reviewer Revision

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