

# MATERIAL SAFETY DATA SHEET

## NOBURST<sup>®</sup> E-3 DEFOAMING AGENT

### 1. General

<b>Trade Name</b>	E-3 DEFOAMING AGENT	<b>Date Prepared:</b> 5/01/10
<b>Manufacturer's Name</b>	THE NOBLE COMPANY	
<b>Address</b>	7300 Enterprise Drive Spring Lake, MI 49456	
<b>Emergency Telephone Number</b>	(231) 799-8000	
<b>Telephone Number for Information</b>	(231) 799-8000	
<b>Chemical Name</b>	Polydimethylsiloxane emulsion	

### 2. Composition / Information on Ingredients

COMPONENT	CAS#	CONCENTRATION
Water	7732-18-5	> 75.0 %
Silica filled polydimethylsiloxane	Trade secret	< 15.0 %
Proprietary additives	Trade secret	< 10.0 %

Note(s): See Section 15 for chemicals appearing on Federal or State Right-To-Know lists.

### 3. Hazards Identification

#### APPEARANCE

Physical state	Liquid
Color	Opaque white
Odor	Mild

#### EMERGENCY OVERVIEW

NORMAL PRECAUTIONS COMMON TO SAFE MANUFACTURING PRACTICE SHOULD BE FOLLOWED IN HANDLING AND STORAGE.

#### POTENTIAL HEALTH EFFECTS

##### SWALLOWING

Acute effects  
No evidence of harmful effects from available information.

##### SKIN ABSORPTION

Acute effects  
No evidence of harmful effects from available information.

##### INHALATION

Acute effects  
Short-term harmful health effects are not expected from vapor generated at ambient temperature.

##### SKIN CONTACT

Acute effects  
No evidence of harmful effects from available information.

##### EYE CONTACT

Acute effects  
No evidence of harmful effects from available information.

##### Medical conditions aggravated by overexposure

Knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

##### Other effects of overexposure

No adverse effects anticipated from available information.

#### POTENTIAL ENVIRONMENTAL EFFECTS

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

#### 4. First Aid Measures

**Swallowing**

No emergency care anticipated.

**Skin**

Wash skin with soap and water.

**Inhalation**

No emergency care anticipated.

**Eye contact**

Flush eyes thoroughly with water for several minutes.

**Notes to Physician**

Toxicology studies have shown this material to be of very low acute toxicity. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

#### 5. Fire-Fighting Measures

**Flammable limits**

Lower limit: Not available

Upper limit: Not available

**Special fire fighting procedures**

None

**Special protective equipment for firefighters**

Use self-contained breathing apparatus when fighting fires in enclosed areas.

**Extinguishing media**

Suitable: Non-flammable (aqueous solution).

After water evaporates, the remaining material will burn.

Large fires:

- Alcohol-type foam or universal-type foams

Small fires:

- CO2

- Dry chemical

Unsuitable:

None.

**Unusual fire and explosion hazards**

None known.

#### 6. Accidental Release Measures

**Methods for cleaning up**

Collect for disposal.

#### 7. Handling And Storage

**HANDLING****Handling precautions**

Normal precautions should be followed in handling and use.

## 8. Exposure Controls Personal Protection

### PERSONAL PROTECTION

#### Respiratory protection

None expected to be needed.

#### Hand protection / protective gloves

Recommended order of use:

4H  
Butyl  
Neoprene  
Nitrile (NBR)  
PVC-coated

#### Eye protection

Safety glasses

#### Other protective equipment

Eye bath  
Safety shower

### ENGINEERING CONTROLS

#### Ventilation

General (mechanical) room ventilation is expected to be satisfactory.

### EXPOSURE LIMITS

No exposure limits have been established.

## 9. Physical And Chemical Properties

### APPEARANCE

Physical state    Liquid  
Color            Opaque white  
Odor             Mild

### OTHER PROPERTIES

Boiling point    > 100 °C at STP unless specified below.

Melting point    0 °C at STP unless specified below.  
(approximately)

pH                Not available

Specific gravity (H<sub>2</sub>O=1) 1.0080 at 25 °C (1,013 hPa)

Vapor pressure   < 26.6 hPa (19.95 mmHg) at 20 °C

Vapor density (air=1)    Heavier than air

Solubility in water    Dispersible

Evaporation rate (Butyl < 1 Acetate=1)

Flash point    None, Aqueous system

Upper explosion limits    Not available

Lower explosion limits    Not available

Percent volatiles    Not determined

Molecular weight    Mixture

## 10. Stability And Reactivity

**Stability:** Stable.

**Stability – Conditions to avoid**

None known.

**Incompatible materials**

None currently know.

**Hazardous combustion products**

Burning can produce the following combustion products:

Oxides of carbon.

Oxides of silicon.

Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

**Hazardous polymerization:** Will not occur.

**Hazardous polymerization – Conditions to avoid**

None known.

## 11. Toxicological Information

SIGNIFICANT DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH

No information relevant to human health hazard evaluation is currently available.

## 12. Ecological Information

**GENERAL**

All available ecological data have been taken into account for the development of the hazard and precautionary information contained in this Safety Data Sheet.

## 13. Disposal Considerations

**General:** Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

## 14. Transport Information

**DOT Classification**

This product is not regulated by DOT.

**Freight description road:** DEFOAMING COMPOUND, EMULSIFIED OIL AND NOT L/T  
50 % BY WT.

**IMDG Classification**

This product is not regulated by IMDG.

**ICAO Classification**

This product is not regulated by ICAO.

## 15. Regulatory Information

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4. Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304). Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

Massachusetts Right-To-Know Substance List (MSL) – Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Hydrogen Chloride	7647-01-0	0.30

Pennsylvania Right-To-Know Hazardous Substance List – Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

\*\*\*\* NONE \*\*\*\*

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Silica filled polydimethylsiloxane	Trade secret	NJ Reg# 26175-5450P
Water	7732-18-5	
Cellulosic thickener	Trade secret	NJ Reg# 26175-5453P
Ethoxylated Aryl	Trade secret	NJ Reg# 26175-545 1 P, 5452P

EPA Hazard Categories (SARA 311, 312): None

California Proposition 65

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

California SCAQMD Rule 443.1 VOC's

Volatile Organic Components (VOC's) = Substances with vapor pressure of

⇒ 0.5 mmHg at 104<sup>0</sup>C (219.2<sup>0</sup>F).

⇒ This product contains 4.92 g/liter VOC's.

### CHEMICAL INVENTORY

Canada:	The ingredients of this product are on the DSL.
Europe:	The ingredients of this mixture are on the EINECS inventory.
United States:	The ingredients of this product are listed on the TSCA inventory or are exempt.
Australia:	This product, or the components, is listed or exempt from listing on the Australian Inventory of Chemical Substances (AICS).
Japan:	This product, or the components, is listed or exempt from listing on the Existing and New Chemical Substances (ENCS) list.
Korea:	This product is not listed on the Existing Chemicals List (ECL).
Philippines:	This product, or the components, is listed or exempt from listing on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

## 16. Other Information

### RECOMMENDED USES AND RESTRICTIONS

Please consult the product and/or application information bulletins for this product.

### HMIS RATING

PPI: X          Health: O          Flammability: 0          Activity: 0

### LEGEND

STP          Standard temperature and pressure

W/W          Weight/Weight

0 (HMIS)          Minimal hazard

1 (HMIS)          Slight hazard

2 (HMIS)          Moderate hazard

3 (HMIS)          Serious hazard

4 (HMIS)          Severe hazard

X (HMIS)          Personal protection rating to be supplied by user depending on use conditions

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