

# SAFETY DATA SHEET

Issuing Date 07-Aug-2016

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Revision Number 0

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### GHS product identifier

Product Name SYNERGY COMPLETE

### Other means of identification

Product Code(s) SL2B

Synonyms SL2B

### Recommended use of the chemical and restrictions on use

Recommended Use Institutional laundry detergent

Uses advised against No information available

### Supplier's details

#### Supplier Address

Envirochem, Inc  
425 Whitehead Ave  
South River, NJ  
08882  
TEL: 732-238-6700

### Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.  
24 Hour Emergency Contact 1-800-255-3924

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Acute Oral Toxicity	Category 4
Skin Corrosion/Irritation	Category 1 Subcategory 1B
Serious Eye Damage/Eye Irritation	Category 1

### GHS Label elements, including precautionary statements

#### Emergency Overview

Signal Word Danger  
Hazard Statements  
• Harmful if swallowed  
• Causes severe skin burns and eye damage

**Appearance** Clear**Physical State** Solid.**Odor** No information available**Precautionary Statements****Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- Immediately call a POISON CENTER or doctor/physician.

**Eyes**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician.

**Skin**

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse.

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- Do NOT induce vomiting.

**Storage**

- Store locked up.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Very toxic to aquatic life with long lasting effects

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms**

SL2B

Chemical Name	CAS-No	Weight %	Trade secret
Ethylene oxide-Nonylphenol polymer	9016-45-9	15-30	*
Sodium metasilicate	6834-92-0	5-15	*
Sodium percarbonate	15630-89-4	5-15	*

Pentasodium triphosphate	7758-29-4	5-15	*
Distearyldimethylammonium chloride	107-64-2	1-5	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of necessary first-aid measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.
<b>Ingestion</b>	Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

##### Most important symptoms/effects, acute and delayed

**Most Important Symptoms/Effects** No information available.

##### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to Physician** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** None

##### Specific Hazards Arising from the Chemical

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes

##### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None

##### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.

##### Environmental Precautions

**Environmental Precautions** Dispose of contents/container to an approved waste disposal plant.

##### Methods and materials for containment and cleaning up

**Methods for Containment** Stop leak if you can do it without risk

**Methods for Cleaning Up** Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water.

**7. HANDLING AND STORAGE**

Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

**Storage** Keep in a dry place. Store at room temperature. Keep container closed when not in use.

**Incompatible Products** Acids. Strong oxidizing agents. Aluminium. Soft metals. Do not mix with anything but water

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Control parameters

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Chemical splash goggles.  
**Skin and Body Protection** Rubber gloves. Latex gloves  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

<b>Physical State</b>	Solid	<b>Appearance</b>	Clear
<b>Odor</b>	No information available	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>	11.6	(4 % solution)
<b>Melting Point/Range</b>	No data available	None known
<b>Boiling Point/Boiling Range</b>	No data available	None known
<b>Flash Point</b>	No data available	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
upper flammability limit	No data available	
lower flammability limit	No data available	
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known

<b>Relative Density</b>	No data available	None known
<b>Specific Gravity</b>	No data available.	None known
<b>Water Solubility</b>	100%	None known
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	No data available	None known

**Flammable Properties** Not flammable

**Explosive Properties** No data available  
**Oxidizing Properties** No data available

#### Other information

**VOC Content (%)** No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available.

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

None under normal processing.

#### Conditions to avoid

Incompatible products. Extreme heat.

#### Incompatible materials

Acids. Strong oxidizing agents. Aluminium. Soft metals. Do not mix with anything but water

#### Hazardous decomposition products

Oxygen which supports combustion.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

<b>Inhalation</b>	Vapors may irritate throat and respiratory system.
<b>Eye Contact</b>	Causes serious eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Ingestion</b>	Harmful if swallowed.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Polyethylene glycol	= 28 g/kg ( Rat )	> 20 g/kg ( Rabbit )	-
Ethylene oxide-Nonylphenol polymer	= 1310 mg/kg ( Rat )	= 2 mL/kg ( Rabbit )	-
Sodium metasilicate	= 600 mg/kg ( Rat )	-	-

Sodium percarbonate	= 1034 mg/kg ( Rat )	-	-
Pentasodium triphosphate	= 3100 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	-
Water	90 mL/kg ( Rat )	-	-
Acetamide, N,N'-1,2-ethanediybis[N-acetyl-	> 2000 mg/kg ( Rat )	-	-
Distearyldimethylammonium chloride	= 11300 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Sensitization** No information available.  
**Mutagenic Effects** No information available.  
**Carcinogenicity** Contains no ingredient listed as a carcinogen.

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** No information available.

### Numerical measures of toxicity - Product

#### Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

**LD50 Oral** 1729 mg/kg; Acute toxicity estimate

**LD50 Dermal** 4767 mg/kg; Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Polyethylene glycol 25322-68-3		LC50 24 h: > 5000 mg/L (Carassius auratus)	EC50 = 100000 mg/L 15 min	
Sodium metasilicate 6834-92-0		LC50 96 h: = 210 mg/L semi-static (Brachydanio rerio) LC50 96 h: = 210 mg/L (Brachydanio rerio)		EC50 96 h: = 216 mg/L (Daphnia magna)
Sodium percarbonate 15630-89-4	EC50 240 h: = 70 mg/L (Chlorella emersonii)	LC50 96 h: = 70.7 mg/L static (Pimephales promelas)		EC50 48 h: = 4.9 mg/L (Daphnia pulex)
Pentasodium triphosphate 7758-29-4		LC50 48 h: = 1650 mg/L (Leuciscus idus)		
Acetamide, N,N'-1,2-ethanediybis[N-acetyl- 10543-57-4		LC50 96 h: > 500 mg/L static (Brachydanio rerio)		EC50 48 h: > 800 mg/L (Daphnia magna)
Distearyldimethylammonium chloride 107-64-2	EC50 72 h: = 0.00046 mg/L (Selenastrum capricornutum) EC50 96 h: = 0.026 mg/L (Selenastrum capricornutum)	LC50 96 h: 0.1-1 mg/L static (Brachydanio rerio) LC50 96 h: 0.17-17 mg/L static (Lepomis macrochirus) LC50 96 h: 0.29-0.558 mg/L static (Pimephales promelas) LC50 96 h: 4.86-9.88 mg/L semi-static (Pimephales promelas) LC50 96 h: = 5.2 mg/L static (Oryzias latipes)	EC50 = 48 mg/L 18 h	EC50 48 h: 0.39 - 0.52 mg/L (Daphnia magna)

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

### Other Adverse Effects

No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Do not re-use empty containers.

Chemical Name	California Hazardous Waste
Sodium percarbonate	Ignitable

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

#### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

#### U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Pentasodium triphosphate				X

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Pentasodium triphosphate	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

#### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Pentasodium triphosphate		X	X		

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	Health Hazard 3	Flammability 0	Instability 0	Physical and Chemical Hazards -
<b><u>HMIS</u></b>	Health Hazard 3	Flammability 0	Physical Hazard 0	Personal Protection X

Prepared By Product Stewardship  
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**General Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**