

**SECTION 1: IDENTIFICATION****1.1. Product Identifier**

Product Form: Mixture

Product Name: HDS-11

**1.2. Intended Use of the Product**

Antifoam. For professional use only.

**1.3. Name, Address, and Telephone of the Responsible Party****Company**

Synthex Organics, LLC

4601 Cortland Avenue

Altoona, PA 16601

(814) 941 - 8375

[www.synthexorganics.net](http://www.synthexorganics.net)**1.4. Emergency Telephone Number**

Emergency Number : Call CHEMTREC Day or Night 1 (800) 424 - 9300 / +1 (703) 527 - 3887

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the Substance or Mixture****GHS-US/CA Classification**

Aspiration Hazard Category 1

**2.2. Label Elements****GHS-US/CA Labeling****Hazard Pictograms (GHS-US/CA)****Signal word (GHS-US)**

: Danger

**Hazard Statements (GHS-US/CA)**

: H304 - May be fatal if swallowed and enters airways.

**Precautionary Statements (GHS-US/CA)**

: P261 - Avoid breathing gas/mist/vapors/spray.  
 P301+P310 If Swallowed: Immediately call a POISON CeENTER or doctor/physician  
 P331 – Do NOT induce vomiting  
 P405 – Store locked up  
 P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**2.3. Other Hazards**

None known

**2.4. Unknown Acute Toxicity (GHS-US/CA)**

No data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substance**

Not applicable

**3.2. Mixture**

Name	Product Identifier	% *	GHS Ingredient Classification
Distillates (petroleum), hydrotreated light Naphthenic	(CAS No) 64742-53-6	60-80	Not classified

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

**SECTION 4: FIRST AID MEASURES****4.1. Description of First-aid Measures**

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**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin:** Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs, get medical assistance.

**Ingestion:** Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** Defatting of the skin.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** Prolonged exposure may cause skin irritation.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None known.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Halon. Dry chemicals. Foam. Carbon dioxide (CO<sub>2</sub>). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

**Hazardous Combustion Products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

### Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

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### 6.2. Environmental Precautions

Prevent entry into waterways, sewer, basements or confined areas. Avoid discharge to the aquatic environment. Contact local authorities in case of spillage to drain/aquatic environment. Avoid discharge into drains, water courses or onto the ground. If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth or absorbent material then place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. All handling to take place in well-ventilated area. Shower after work. Remove and wash contaminated clothing promptly.

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

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Store locked up. Keep away from heat, sparks and open flame. Store in a well-ventilated place. Use care in handling/storage.

**Incompatible Materials:** Strong oxidizing agents.

### 7.3. Specific End Use(s)

Antifoam. For professional use only.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

#### Occupational exposure limits

##### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6)	PEL	5 mg/m <sup>3</sup>	Mist.

#### US. NIOSH: Pocket Guide to Chemical Hazards

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Material	Type	Value	Form
HDS-11	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Components	Type	Value	Form
DISTILLATES	STEL	10 mg/m3	Mist.
(PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC (CAS 64742-53-6)	TWA	5 mg/m3	Mist.

### 8.2. Exposure Controls

**Appropriate Engineering Controls:** Adequate ventilation should be provided whenever the material is heated or mists are generated. Good general ventilation typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Chemical resistant gloves are recommended. If contact with forearms is likely wear gauntlet style gloves.

**Eye Protection:** Chemical safety goggles/face shield are recommended.

**Skin and Body Protection:** Wear suitable protective clothing. Launder contaminated clothing before reuse.

**Respiratory Protection:** Under normal conditions, respirator is not normally required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Off White opaque
Odor	: Mild petroleum odor
Odor Threshold	: Not available
pH	: Not applicable
Evaporation Rate	: Not available
Melting Point/Freezing Point	: < -25 °F (< -42.78 °C) ASTM D 5949/ ISO 3016
Boiling Point	: > 435 °F (> 223.89 °C) ASTM D 2887/ ISO 3294
Flash Point	: >= 295.0 °F (>= 146.1 °C) Cleveland Open Cup ASTM D 92/ ISO 2592
Auto-ignition Temperature	: > 600 °F (> 315.56 °C) ASTM E 659
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Vapor Density	: >5
Relative Vapor Density at 20°C	: Not available
Relative Density	: 0.97 (60 °F (15.56 °C) ASTM D 4052/ ISO 12185)

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<b>Specific Gravity</b>	: Not available
<b>Solubility</b>	: Insoluble, but dispersible
<b>Partition Coefficient: N-Octanol/Water</b>	: Not available
<b>Viscosity</b>	: 145 cSt @25C

### SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4. Conditions to Avoid:** Heat, flames and sparks. Avoid temperatures exceeding the flash point.
- 10.5. Incompatible Materials:** Strong oxidizing agents.
- 10.6. Hazardous Decomposition Products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on Toxicological Effects - Product

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis

**Eye Damage/Irritation:** May be irritating to eyes

**Respiratory or Skin Sensitization:** May be fatal if swallowed and enters airways

**Ingestion:** May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. May be fatal if swallowed and enters airways

**Germ Cell Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Nota L –Meets EU requirement of less than 3% (w/w) DMSO extract for total polycyclic aromatic compound (PAC) using IP 346. Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May be fatal if swallowed and enters airways.

**Symptoms/Injuries After Skin Contact:** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Symptoms/Injuries After Eye Contact:** May be irritating to eyes

**Symptoms/Injuries After Ingestion** May cause gastrointestinal discomfort if swallowed. Do not induce vomiting. Vomiting may increase risk of product aspiration. May be fatal if swallowed and enters airways.

**Chronic Symptoms:** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Further information:** Risk of chemical pneumonia after aspiration.

#### 11.2. Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

No information available

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

##### Ecotoxicity

Short term

LC50 (48 hour): >100mg/L (*Daphnia magna*)

Long Term

Not available.

#### 12.2. Persistence and Degradability

##### Persistence and Degradability

Not inherently biodegradable.

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### 12.3. Bioaccumulative Potential

**Bioaccumulative Potential** Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

**12.4. Mobility in Soil** Not available

### 12.5. Other Adverse Effects

**Other Information:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations

**Additional Information:** Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

**Ecology - Waste Materials:** Dispose of in accordance with local regulations. Avoid discharge into water courses or onto the ground.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**14.1. In Accordance with DOT** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

**14.4. In Accordance with TDG** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

### 15.1. US Federal Regulations

<b>Polyoxyethylene monoctadecyl ether (9005-00-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed
<b>U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed.
<b>Superfund Amendments and Reauthorization Act of 1986</b>	<b>(SARA) Hazard categories</b> Immediate Hazard – Yes Delayed Hazard – No Fire Hazard – No Pressure Hazard – No Reactivity Hazard - No
<b>SARA 302 Extremely hazardous substance</b>	Not listed
<b>SARA 311/312 Hazardous Chemical</b>	Yes
<b>SARA 313 (TRI Reportinmg)</b>	Nor regulated
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Not regulated
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated
<b>Safe Drinking Water Act (SDWA)</b>	Not regulated.

### 15.2. US State Regulations

Not regulated

### 15.3. Canadian Regulations

**Polyoxyethylene monoctadecyl ether (9005-00-9)**

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Listed on the Canadian DSL (Domestic Substances List)

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision Date** : 3/31/2023

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR).

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

NA GHS SDS 2015 (US, Can, Mex)