

# SAFETY DATA SHEET

## Willowood Thioben 8EC

### Section 1. Identification

**GHS product identifier** : Willowood Thioben 8EC  
**Chemical name** : Thiobencarb  
**Product code** : Not available.  
**Other means of identification** : Not available.  
**EPA Registration Number** : 87290-75  
**EPA Signal Word** : CAUTION  
**Product type** : Liquid.

#### Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : Herbicide.

**Supplier's details** : Willowood, LLC  
1887 Whitney Mesa Drive #9740,  
Henderson, NV 89014-2069  
Tel: 866 396 0465  
cs@genericcropscience.com

**Emergency telephone number (with hours of operation)** : CHEMTREC, U.S.: 1-800-424-9300 International: +1-703-527-3887  
24/7 Health Emergencies: Call 800-858-7378 (National Pesticide Information Center)

### Section 2. Hazards identification

**OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Classification of the substance or mixture** : ACUTE TOXICITY (oral) - Category 4  
CARCINOGENICITY - Category 2  
AQUATIC HAZARD (ACUTE) - Category 1  
AQUATIC HAZARD (LONG-TERM) - Category 1

#### GHS label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : H302 - Harmful if swallowed.  
H351 - Suspected of causing cancer.  
H410 - Very toxic to aquatic life with long lasting effects.

#### Precautionary statements

## Section 2. Hazards identification

- Prevention** : P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.  
 P273 - Avoid release to the environment.  
 P270 - Do not eat, drink or smoke when using this product.  
 P264 - Wash hands thoroughly after handling.
- Response** : P391 - Collect spillage.  
 P308 + P313 - IF exposed or concerned: Get medical attention.  
 P301 + P312 + P330 - IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.
- Storage** : P405 - Store locked up.
- Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture
- Chemical name** : Thiobencarb
- Other means of identification** : Not available.

| Ingredient name                          | %         | CAS number |
|--|-----------|------------|
| Thiobencarb                              | ≥75 - ≤90 | 28249-77-6 |
| Solvent Naphtha (Petroleum), Heavy Arom. | ≥1 - ≤3   | 64742-94-5 |
| 2-Ethylhexan-1-ol                        | ≥1 - ≤3   | 104-76-7   |
| Naphthalene                              | ≤0.3      | 91-20-3    |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

## Section 4. First aid measures

- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : Harmful if swallowed.

#### Over-exposure signs/symptoms

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.  
**Specific treatments** : No specific treatment.  
**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.  
**Unsuitable extinguishing media** : None known.

- Specific hazards arising from the chemical** : This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
 carbon dioxide  
 carbon monoxide  
 nitrogen oxides  
 sulfur oxides  
 halogenated compounds

## Section 5. Fire-fighting measures

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.



## Section 7. Handling and storage

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name   | Exposure limits   |
|---|---|
| Thiobencarb<br>Solvent Naphtha (Petroleum), Heavy Arom.<br>2-Ethylhexan-1-ol<br>Naphthalene | None.<br>None.<br>None.<br><b>ACGIH TLV (United States, 3/2017). Absorbed through skin.</b><br>TWA: 10 ppm 8 hours.<br>TWA: 52 mg/m <sup>3</sup> 8 hours.<br><b>NIOSH REL (United States, 10/2016).</b><br>TWA: 10 ppm 10 hours.<br>TWA: 50 mg/m <sup>3</sup> 10 hours.<br>STEL: 15 ppm 15 minutes.<br>STEL: 75 mg/m <sup>3</sup> 15 minutes.<br><b>OSHA PEL (United States, 6/2016).</b><br>TWA: 10 ppm 8 hours.<br>TWA: 50 mg/m <sup>3</sup> 8 hours. |

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.



## Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Amber.
- Odor** : Sweet.
- Odor threshold** : Not available.
- pH** : 6.03 (corrected to 25°C)
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 1.143 g/ml @ 20°C
- Solubility** : Not available.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.
- Flow time (ISO 2431)** : Not available.

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : Reactive or incompatible with the following materials: oxidizing materials.



## Section 10. Stability and reactivity

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result      | Species | Dose       | Exposure |
|-------------------------|-------------|---------|------------|----------|
| Thiobencarb             | LD50 Dermal | Rat     | 2900 mg/kg | -        |
|                         | LD50 Oral   | Rat     | 920 mg/kg  | -        |
| 2-Ethylhexan-1-ol       | LD50 Oral   | Rat     | 3730 mg/kg | -        |
| Naphthalene             | LD50 Dermal | Rabbit  | >20 g/kg   | -        |
|                         | LD50 Oral   | Rat     | 490 mg/kg  | -        |

#### Irritation/Corrosion

| Product/ingredient name                  | Result                   | Species | Score | Exposure        | Observation |
|--|--------------------------|---------|-------|-----------------|-------------|
| Solvent Naphtha (Petroleum), Heavy Arom. | Skin - Mild irritant     | Rabbit  | -     | 24 hours 500 µl | -           |
| 2-Ethylhexan-1-ol                        | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 mg  | -           |
|  | Eyes - Moderate irritant | Rabbit  | -     | 20 µg           | -           |
|  | Eyes - Severe irritant   | Rabbit  | -     | 20 mg           | -           |
|  | Skin - Mild irritant     | Rabbit  | -     | 415 mg          | -           |
|  | Skin - Moderate irritant | Rabbit  | -     | 24 hours 500 mg | -           |
|  | Skin - Severe irritant   | Rabbit  | -     | 0.5 ml          | -           |
| Naphthalene                              | Skin - Mild irritant     | Rabbit  | -     | 495 mg          | -           |

#### Sensitization

There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

##### Classification

| Product/ingredient name | OSHA | IARC | NTP  |
|-------------------------|------|------|--|
| Naphthalene             | -    | 2B   | Reasonably anticipated to be a human carcinogen. |

#### Reproductive toxicity

There is no data available.

#### Teratogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)

| Name              | Category   | Target organs                |
|-------------------|------------|------------------------------|
| 2-Ethylhexan-1-ol | Category 3 | Respiratory tract irritation |

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

| Name                                     | Result                         |
|--|--------------------------------|
| Solvent Naphtha (Petroleum), Heavy Arom. | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

## Section 11. Toxicological information

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : Harmful if swallowed.

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

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

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

#### Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

- Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### Potential chronic health effects

- General** : No known significant effects or critical hazards.  
**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route               | ATE value    |
|---------------------|--------------|
| Oral                | 1088.8 mg/kg |
| Dermal              | 3452.4 mg/kg |
| Inhalation (vapors) | 550 mg/L     |





## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                             | Species   | Exposure |
|-------------------------|------------------------------------|---|----------|
| Thiobencarb             | Acute EC50 17.34 µg/L Fresh water  | Algae - Pseudokirchneriella subcapitata               | 3 days   |
|                         | Acute EC50 0.017 ppm Fresh water   | Algae - Scenedesmus acutus - Exponential growth phase | 96 hours |
|                         | Acute EC50 170 µg/L Fresh water    | Crustaceans - Ceriodaphnia dubia - Neonate            | 48 hours |
|                         | Acute EC50 101.2 ppb Fresh water   | Daphnia - Daphnia magna                               | 48 hours |
|                         | Acute LC50 110 µg/L Fresh water    | Fish - Cyprinus carpio                                | 96 hours |
|                         | Chronic NOEC 0.005 ppm Fresh water | Algae - Scenedesmus acutus - Exponential growth phase | 96 hours |
|                         | Chronic NOEC 1 ppb Fresh water     | Daphnia - Daphnia magna                               | 21 days  |
|                         | Chronic NOEC 0.028 mg/L            | Fish - Oncorhynchus tshawytscha - Egg                 | 90 days  |
|                         | Acute EC50 1600 µg/L Fresh water   | Daphnia - Daphnia magna - Neonate                     | 48 hours |
|                         | Acute LC50 2350 µg/L Marine water  | Crustaceans - Palaemonetes pugio                      | 48 hours |
| Naphthalene             | Acute LC50 213 µg/L Fresh water    | Fish - Melanotaenia fluviatilis - Larvae              | 96 hours |
|                         | Chronic NOEC 0.5 mg/L Marine water | Crustaceans - Uca pugnax - Adult                      | 3 weeks  |
|                         | Chronic NOEC 1.5 mg/L Fresh water  | Fish - Oreochromis mossambicus                        | 60 days  |

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

| Product/ingredient name                  | LogP <sub>ow</sub> | BCF         | Potential |
|--|--------------------|-------------|-----------|
| Thiobencarb                              | 3.4                | 169.82      | low       |
| Solvent Naphtha (Petroleum), Heavy Arom. | 2.8 to 6.5         | 99 to 5780  | high      |
| 2-Ethylhexan-1-ol                        | 2.9                | 25.33       | low       |
| Naphthalene                              | 3.4                | 36.5 to 168 | low       |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



## Section 14. Transport information

|                                   | DOT Classification  | IMDG  | IATA  |
|-----------------------------------|---|---|---|
| <b>UN number</b>                  | UN3082  | UN3082  | UN3082  |
| <b>UN proper shipping name</b>    | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Thiobencarb) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Thiobencarb). Marine pollutant (Thiobencarb) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Thiobencarb) |
| <b>Transport hazard class(es)</b> | 9<br>   | 9<br>   | 9<br>   |
| <b>Packing group</b>              | III   | III   | III   |
| <b>Environmental hazards</b>      | Yes.  | Yes.  | Yes.  |

AERG : 171

**DOT-RQ Details** : Naphthalene 100 lbs / 45.4 kg

### Additional information

**DOT Classification** : Non-bulk packages of this product are not regulated as hazardous materials in package sizes less than the product reportable quantity, unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of  $\leq 5$  L or  $\leq 5$  kg.

**Reportable quantity** 41738 lbs / 18949 kg [4379.5 gal / 16578.3 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

**IMDG** : This product is not regulated as a dangerous good when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg, provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

**IATA** : This product is not regulated as a dangerous good when transported in sizes of  $\leq 5$  L or  $\leq 5$  kg, provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## Section 15. Regulatory information

**U.S. Federal regulations** : **United States inventory (TSCA 8b):** All components are listed or exempted.  
**Clean Water Act (CWA) 307:** Naphthalene  
**Clean Water Act (CWA) 311:** Naphthalene; Acetaldehyde

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed



## Section 15. Regulatory information

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

| Name           | EHS  | SARA 302 TPQ |           | SARA 304 RQ |           |
|----------------|------|--------------|-----------|-------------|-----------|
|                |      | (lbs)        | (gallons) | (lbs)       | (gallons) |
| Ethylene oxide | Yes. | 1000         | -         | 10          | -         |

**SARA 304 RQ** : 1111111.1 lbs / 504444.4 kg [116588 gal / 441333.7 L]

### SARA 311/312

**Classification** : ACUTE TOXICITY (oral) - Category 4  
CARCINOGENICITY - Category 2

#### Composition/information on ingredients

| Name   | Classification   |
|--|--|
| Thiobencarb<br>Solvent Naphtha (Petroleum), Heavy Arom.<br>2-Ethylhexan-1-ol | ACUTE TOXICITY (oral) - Category 4<br>ASPIRATION HAZARD - Category 1<br>FLAMMABLE LIQUIDS - Category 4<br>ACUTE TOXICITY (inhalation) - Category 4<br>SKIN CORROSION/IRRITATION - Category 2<br>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A<br>SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 |
| Naphthalene  | FLAMMABLE SOLIDS - Category 2<br>ACUTE TOXICITY (oral) - Category 4<br>CARCINOGENICITY - Category 2  |

### SARA 313

|  | Product name               | CAS number            |
|--|----------------------------|-----------------------|
| <b>Form R - Reporting requirements</b> | Thiobencarb<br>Naphthalene | 28249-77-6<br>91-20-3 |
| <b>Supplier notification</b>           | Thiobencarb<br>Naphthalene | 28249-77-6<br>91-20-3 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

**Massachusetts** : The following components are listed: 2-Ethylhexan-1-ol

**New York** : The following components are listed: Naphthalene

**New Jersey** : The following components are listed: Thiobencarb; Naphthalene

**Pennsylvania** : The following components are listed: 2-Ethylhexan-1-ol; Naphthalene

### California Prop. 65

**⚠ WARNING:** This product can expose you to Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Naphthalene, 1,4-Dioxane, Acetaldehyde, which are known to the State of California to cause cancer, and Ethanediol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## Section 16. Other information

### Procedure used to derive the classification

| Classification                          | Justification      |
|---|--------------------|
| ACUTE TOXICITY (oral) - Category 4      | Calculation method |
| CARCINOGENICITY - Category 2            | Calculation method |
| AQUATIC HAZARD (ACUTE) - Category 1     | Calculation method |
| AQUATIC HAZARD (LONG-TERM) - Category 1 | Calculation method |

### History

**Date of issue mm/dd/yyyy** : 05/15/2018  
**Date of previous issue** : Not applicable.  
**Version** : 1  
**Prepared by** : KMK Regulatory Services Inc.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

