



# SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

Page 1/9

## Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	1038520, 1038020, 1037520, 1037020
Product code	
Registration No.	47000-103-12281

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

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC8] Biocidal products (e.g. Disinfectants, pest control);
Description	Liquid insecticide. Do not use on cats.

#### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshar Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	SDS@neogen.com

#### 1.4. Emergency telephone number

	24 hours: Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international) Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)
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#### Further information

	Manufactured By:. Chem-Tech Ltd. 1006 Business Highway 5 Pleasantville, IA 50225 U.S.A.  Chem-Tech Ltd. is a wholly-owned subsidiary of Neogen Corporation.
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture


2.1.2. Classification - GHS	Asp. Tox. 1: H304; Skin Sens. 1: H317; Eye Dam. 1: H318; Carc. 2: H351; Aquatic Acute 1: H400; Aquatic Chronic 2: H411;
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#### 2.2. Label elements

# Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

## 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Sens. 1: H317 - May cause an allergic skin reaction. Eye Dam. 1: H318 - Causes serious eye damage. Carc. 2: H351 - Suspected of causing cancer . Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
<b>Precautionary Statement: Prevention</b>	P202 - Do not handle until all safety precautions have been read and understood. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously 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. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P391 - Collect spillage.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.

## 2.3. Other hazards

<b>Other hazards</b>	May be harmful if swallowed. Read the entire label and follow all use directions, restrictions, and precautions.
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Kerosine - unspecified - solvent naphtha (petroleum), heavy arom.	649-424-00-3	64742-94-5	265-198-5		80 - 90%	Asp. Tox. 1: H304;
Permethrin (ISO)	613-058-00-2	52645-53-1	258-067-9		10.0%	Acute Tox. 4: H332; Acute Tox. 4: H302; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Sponto 300T					1 - 10%	Flam. Liq. 3: H226; Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 3: H402; Aquatic Chronic 2: H411;
Sponto 500T					1 - 10%	Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Dam. 1: H318; Carc. 2: H351; Aquatic Acute 2: H401; Aquatic Chronic 2: H411;

## Description

Concentrations listed may not represent exact product specifications.

# Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

## Further information

Full text of Hazard Statements listed in this Section is provided in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention if irritation or symptoms persist.
Skin contact	Remove contaminated clothing. Wash with soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. DO NOT DRINK WATER. Do not administer anything by mouth.

### 4.2. Most important symptoms and effects, both acute and delayed

Inhalation	May cause dizziness and headache. May cause irritation to respiratory system.
Eye contact	May cause eye irritation.
Skin contact	May cause irritation to skin. May cause allergic reactions in susceptible people.
Ingestion	May cause cancer. Ingestion may cause nausea and vomiting. Vomiting may cause aspiration pneumonia. May cause oral mucosal irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Transfer to hospital if there are burns or symptoms of poisoning. Remove the affected person from the source of contamination immediately. Seek medical attention if irritation or symptoms persist. If medical advice is needed, have product container or label at hand.

## Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Evacuate personnel to a safe area. Use extinguishing media appropriate to the surrounding fire conditions.

### 5.2. Special hazards arising from the substance or mixture

Insoluble in water. Do NOT use water jet. Toxic to aquatic life. Do not allow runoff water to enter sewers or drains.

### 5.3. Advice for firefighters

Do not breathe dust/fume/gas/mist/vapours/spray. Wear self-contained breathing apparatus and chemical-protective clothing.

## SECTION 6: Accidental release measures

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

Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves made of any waterproof material.

### 6.2. Environmental precautions

Insoluble in water. Do not flush into surface water. Do not empty into drains.

### 6.3. Methods and material for containment and cleaning up

Absorb spillage to prevent material damage. Clean area thoroughly with detergent. Dispose of this

# Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

## 6.3. Methods and material for containment and cleaning up

material and its container to hazardous or special waste collection point.

## 6.4. Reference to other sections

See Section(s) 2, 8, and 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Ensure adequate ventilation of the working area. Wear suitable gloves. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and animal feed and/ or feed products. Keep away from sources of ignition - No smoking. Keep only in the original container in a cool, well-ventilated place away from children and pets.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

### Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No data is available on this product.

### 8.2. Exposure controls



Appropriate engineering controls

Ensure adequate ventilation of the working area.

Individual protection measures

Wear suitable protective clothing.

Eye / face protection

Wear: Safety glasses, Face shield.

Skin protection - Hand protection

Chemical resistant gloves. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Skin protection - Other

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Occupational exposure controls

Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Avoid contamination of food or feedstuffs.

### Further information

Refer to product label for additional PPE requirements and recommendations. Follow label instructions.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

# Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

## 9.1. Information on basic physical and chemical properties

<b>State</b>	Liquid
<b>Color</b>	Yellow
<b>Odor</b>	Aromatic
<b>Odor threshold</b>	No data available
<b>pH</b>	7
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling point</b>	184 °C
<b>Flash point</b>	66.1 °C
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	Not applicable.
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	0.8388 - 0.8987
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	461.1 °C
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available
<b>Solubility</b>	Slightly soluble in water

## 9.2. Other information

<b>VOC (Volatile organic compounds)</b>	No data available
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

	Stable under normal conditions.
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### 10.2. Chemical stability

	Stable under normal conditions.
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### 10.3. Possibility of hazardous reactions

	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
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### 10.4. Conditions to avoid

	Avoid sparks, flames, heat and sources of ignition. Keep in a cool place away from children and pets.
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### 10.5. Incompatible materials

	Contact with combustible material may cause fire. Strong oxidizing agents.
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### 10.6. Hazardous decomposition products

	Carbon oxides.
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.
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# Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

## 11.1. Information on toxicological effects

Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	Causes serious eye damage. Causes severe inflammation and may damage the cornea.
Respiratory or skin sensitization	May cause allergic reactions in susceptible people.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	Carcinogen category 2.  Listed by the International Agency for Research on Cancer (IARC) as a group 3 substance: evidence does not support the substance as a human carcinogen, [Permethrin, CAS No. 52645-53-1]. No components at >0.01% are listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Guide to Occupational Exposure Values. No components at >0.01% are listed in the National Toxicology Program (NTP) Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No teratogenic effects reported.
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
STOT-repeated exposure	Component(s) may cause damage to human organs based on animal data.
Aspiration hazard	Vomiting may cause aspiration pneumonia.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.

## SECTION 12: Ecological information

### 12.1. Toxicity

	No data available
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### 12.2. Persistence and degradability

	Insoluble in water.
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### 12.3. Bioaccumulative potential

	No data available.
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### Partition coefficient

	Permethrin 10% Rapid Kill Insecticide Concentrate	No data available
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### 12.6. Other adverse effects

	This product is extremely toxic to aquatic organisms, including fish and invertebrates.  This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

	Do not contaminate water by cleaning of equipment or disposal of wastes. Dispose of contents/container to an approved waste disposal facility. Follow label instructions.
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### Disposal of packaging

# Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

## Disposal of packaging

Nonrefillable container. Do not reuse or refill this container.  
If empty: Place in trash or offer for recycling, if available.  
If partly filled: Call your local solid waste agency for disposal instructions.

## Further information

Refer to product label and/or package insert for additional information. Follow label instructions.

## SECTION 14: Transport information

### 14.1. UN number

The product is not classified as dangerous for carriage.

### 14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

### 14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

### 14.4. Packing group

The product is not classified as dangerous for carriage.

### 14.5. Environmental hazards

The product is not classified as dangerous for carriage.

### 14.6. Special precautions for user

The product is not classified as dangerous for carriage.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

The product is not classified as dangerous for carriage.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations</b>	Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.
<b>Chemical Inventories/Right-to-Know Lists:</b>	<p>Toxic Substances Control Act (TSCA): All ingredients listed or exempt.</p> <p>Massachusetts Right-to-Know Hazardous Substance List: Permethrin. New Jersey Worker and Community Right to Know Act: Permethrin. Pennsylvania Right to Know Law: This material contains no reportable components. Rhode Island Right-to-Know General Law: This material contains no reportable components.</p> <p><b>**California residents please note**.</b> WARNING: This product can expose you to chemicals, including Naphthalene, CAS No. 91-20-3 (&lt;0.1%), which is/are known to the State of California to cause cancer, and which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>.</p>

## Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Kerosine - unspecified - solvent naphtha (petroleum), heavy arom. (Solvent naphtha (petroleum), heavy arom.)	Y	N	N	N	N	N	N	N	N
Permethrin (ISO)	N	Y	Y 1.0	N	N	N	N	N	N

# Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

## Further information

FIFRA Signal Word FIFRA Warning	This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.
	WARNING.
	Keep out of reach of children. Hazards to humans and domestic animals. Causes skin irritation. Do not get in eyes, on skin, or on clothing. Harmful if inhaled. Avoid breathing spray mist. Causes moderate eye irritation. Harmful if swallowed. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately. Do not use on cats.

## SECTION 16: Other information

### Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>1 - Manufactured By:.</li> <li>1 - Registration No.</li> <li>2 - Other hazards.</li> <li>2 - 2.1. Classification of the substance or mixture.</li> <li>2 - 2.1.2. Classification - GHS.</li> <li>3 - Description.</li> <li>4 - Ingestion.</li> <li>4 - Further information.</li> <li>5 - 5.2. Special hazards arising from the substance or mixture.</li> <li>5 - 5.3. Advice for firefighters.</li> <li>7 - Further information.</li> <li>11 - Repeated or prolonged exposure.</li> <li>11 - Carcinogenicity.</li> <li>11 - Aspiration hazard.</li> <li>12 - 12.6. Other adverse effects.</li> <li>13 - Disposal of packaging.</li> <li>13 - Further information.</li> <li>14 - DOT.</li> <li>14 - IMDG.</li> <li>14 - IATA.</li> <li>15 - Labelling.</li> <li>15 - Hazard Statements.</li> <li>15 - Safety phrases.</li> <li>15 - FIFRA Warning.</li> <li>15 - Chemical Inventories/Right-to-Know Lists:.</li> </ul>
Text of Hazard Statements in Section 3	<p>Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Acute Tox. 4: H302 - Harmful if swallowed. Skin Sens. 1: H317 - May cause an allergic skin reaction. Acute Tox. 4: H332 - Harmful if inhaled. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Flam. Liq. 3: H226 - Flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation.</p>



# Permethrin 10% Rapid Kill Insecticide Concentrate

Revision 4  
Revision date 2020-03-16

## Other information

Eye Dam. 1: H318 - Causes serious eye damage.  
Aquatic Acute 3: H402 - Harmful to aquatic life.  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  
Carc. 2: H351 - Suspected of causing cancer .  
Aquatic Acute 2: H401 - Toxic to aquatic life.

## Further information

DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.

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