



CANBERRA CORPORATION SAFETY DATA SHEET

1. Identification

Product Identifier: HUSKY 1270 RESIDUAL INSECTICIDE

Application or recommended use: Pesticide

Restrictions on use: Do not use in any fashion not specified on the product label.

Manufacturer / supplier: Canberra Corporation
3610 N. Holland-Sylvania Rd.
Toledo, Ohio 43615 USA

Telephone: 419-841-6616 **Emergency phone:** 866-836-8855

2. Hazards Identification

GHS Classification: Classification of this mixture in accordance with paragraph (d) of §1910.1200.
Flammable Aerosols - Category 1
Sensitization, skin - Category 1
Aspiration hazard - Category 1

Label Elements:



Symbol:

Signal word:

DANGER

Hazard statement:

Extremely flammable aerosol. May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.

Precautionary statements:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Wash contaminated clothing before reuse.
IF SWALLOWED: Immediately call a poison center/doctor. Specific treatment (see this label). Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
See 4. First-Aid Measures for specific treatment.
Store locked up in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container to an approved disposal facility.

Hazard(s) not otherwise classified (HNOC): None known.

3. Composition / Information on Ingredients

Chemical characterization: Mixture of solvents and auxiliary agents.

Hazardous ingredients: The exact percentage of composition has been withheld as a trade secret.

90 - 100% Distillates (Petroleum), CAS 64742-47-8

Hydrotreated Light

2 - 10% Carbon Dioxide CAS 124-38-9

0.1 - 1% Permethrin CAS 52645-53-1

0.1 - 1% Piperonyl Butoxide CAS 51-03-6

4. First-aid measures

Inhalation: If inhalation of gas/fume/vapor/mist from the material is excessive, immediately remove the affected person(s) to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

Skin contact: Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops or persists. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion: Get medical attention immediately. No need for first aid is anticipated if material is swallowed.

Most important symptoms/effects, acute and delayed: Dermatitis. Aspiration may cause pulmonary edema and pneumonitis. Rash. May cause an allergic skin reaction.

Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Oxygen, if needed. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information Take off contaminated clothing and shoes immediately. Immediate medical attention is required. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Keep victim warm. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media: Large Fires: Powder. Alcohol resistant foam. Water spray, fog or regular foam.

Small Fires: Dry chemical. Carbon dioxide (CO2).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Special protective equipment and precautions for firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, and rubber boots.

Fire-fighting equipment/instructions: In case of fire and/or explosion do not breathe fumes. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do it without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Some of these materials, if spilled, may evaporate leaving a flammable residue.

Specific methods: Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes. **General fire hazards:** Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Consider initial downwind evacuation for at least 500 meters. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Use water spray to reduce vapors or divert vapor cloud drift. Isolate area until gas has dispersed. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. 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. After removal, flush contaminated area thoroughly with water. Material and container must be disposed of as hazardous waste.

Environmental precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling: Vapors may form explosive mixtures with air. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not breathe gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only in area provided with appropriate exhaust ventilation. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Level 3 Aerosol.

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials.

8. Exposure controls/personal protection

Occupational exposure limits

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

Components	Type	Value
Carbon Dioxide (CAS 124-38-9)	PEL	9000 mg/m3 (5000 ppm)

US. ACGIH Threshold Limit Values

Components	Type	Value
Carbon Dioxide (CAS 124-38-9)	STEL	30000 ppm
	TWA	5000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components Type Value

Carbon Dioxide (CAS 124-38-9) STEL 54000 mg/m³ (30000 ppm)
TWA 9000 mg/m³ (5000 ppm)

Individual protection measures, such as personal protective equipment

Eye/face protection: Face shield is recommended. Splash resistant goggles. Avoid contact with eyes.

Hand protection: Wear appropriate chemical resistant gloves.

Other: Avoid contact with the skin. Wear chemical protective equipment that is specifically recommended by the manufacturer. Use of an impervious apron is recommended.

Respiratory protection: If permissible levels are exceeded use organic vapor cartridge or an air-supplied respirator.

General hygiene considerations: When using do not smoke. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state: Gas.

Color: Pale yellow

Odor threshold: Not available.

Melting point/freezing point: Not available.

Flash point 228.2 °F (109.0 °C) estimated.

Evaporation rate: Not available.

Upper/lower flammability or explosive limits

Flammability limit – lower (%): 0.5 % estimated.

Explosive limit - lower (%) Not available.

Vapor pressure: 70 - 80 psig @70F estimated.

Relative density: Not available.

Solubility (water): Not available.

Decomposition temperature: Not available.

Form: Aerosol.

Odor: fruity

pH: Not applicable.

Initial boiling point/boiling range: Not available.

Flammability (solid, gas) Not available.

Partition coefficient (n-octanol/water): Not available.

Flammability limit – upper (%): Not available.

Explosive limit - upper (%) Not available.

Vapor density: Not available.

Specific gravity: 0.849 estimated.

Viscosity Not available.

Auto-ignition temperature: 421 °F (216.11 °C) estimated.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Risk of explosion. Risk of ignition. Material is stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: Heat, flames and sparks. Avoid temperatures exceeding flash point.

Incompatible materials: None known.

Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Ingestion: Droplets of product aspirated into lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Inhalation: Prolonged inhalation may be harmful.

Skin contact: May cause an allergic skin reaction.

Eye contact: Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics: Dermatitis. Aspiration may cause pulmonary edema and pneumonitis. Rash. May cause an allergic skin reaction.

Information on toxicological effects

Acute toxicity: Acute LD50: 1969 mg/kg, Rat, Dermal

Acute LC50: 5 mg/l/4h, Rat, Inhalation

May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

Skin corrosion/irritation: Not expected to be hazardous by OSHA criteria.

Serious eye damage/eye irritation: Direct contact with eyes may cause temporary irritation.

Respiratory sensitization: Not available. **Skin sensitization:** May cause an allergic skin reaction.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity:

Permethrin (CAS 52645-53-1) 3 Not classifiable as to carcinogenicity to humans.

Piperonyl Butoxide (CAS 51-03-6) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Reproductive toxicity: Not expected to be hazardous by OSHA criteria. Not expected to be hazardous by WHMIS criteria.

Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity - repeated exposure: Not classified.

Aspiration hazard: May be fatal if swallowed and enters airways.

Chronic effects: Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Prolonged or repeated exposure may cause lung injury. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity: Very toxic to aquatic life with long lasting effects.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: No data available.

Partition coefficient n-octanol / water (log Kow): Permethrin 6.5 Piperonyl Butoxide 4.75

Mobility in soil: No data available.

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

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. After recovery of solvent dispose of residue as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT UN number: UN1950 **UN proper shipping name** Aerosols, flammable **Class** 2.1

Subsidiary risk: N/A **Label:** 2.1 **Packing group:** Not applicable.

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

Packaging non bulk: This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity.

15. Regulatory information

US federal regulations

Pesticides are exempt from TSCA. One or more components are not listed on TSCA.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA/SARA Hazardous Substances: Not applicable.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4): Not listed.

SARA 304 Emergency release notification: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA): Hazard categories:

Immediate Hazard – Yes Delayed Hazard - No

Fire Hazard – Yes Pressure Hazard - No

Reactivity Hazard – No

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous chemical: No

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Permethrin	52645-53-1	0.1 - 1
Piperonyl Butoxide	51-03-6	0.1 - 1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Safe Drinking Water Act (SDWA): Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Carbon Dioxide (CAS 124-38-9) Permethrin (CAS 52645-53-1)

US. New Jersey Worker and Community Right-to-Know Act

Carbon Dioxide (CAS 124-38-9) Permethrin (CAS 52645-53-1) Piperonyl Butoxide (CAS 51-03-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Carbon Dioxide (CAS 124-38-9)

US. Rhode Island RTK

Permethrin (CAS 52645-53-1) Piperonyl Butoxide (CAS 51-03-6)

US. California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. Other information, including date of preparation or last revision

Issue date: 01-02-2015 **Revision date:** N/A

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available. The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. We cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.