CANBERRA CORPORATION
SAFETY DATA SHEET

1. Identification

Product Identifier: HUSKY 1230 DISINFECTANT DEODORANT
Application or recommended use: Hard surface disinfectant
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
Eye Damage/Irritation - Category 2A

Label Elements:

Symbol: 
Signal word: **DANGER**
Hazard statements: Extremely flammable aerosol. Causes serious eye irritation.
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. Wash thoroughly after handling. Wear eye/face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
See 4. First-Aid Measures for specific treatment.
Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Dispose of contents/container to an approved disposal facility.

Other Hazards: None known.

3. Composition / Information on Ingredients

Chemical characterization: Mixture of water, emulsifiers, solvents and auxiliary agents.
Hazardous ingredients: The exact percentage of composition has been withheld as a trade secret.

40 - 60% Ethyl Alcohol	CAS 64-17-5
10 - 20% Butane	CAS 106-97-8
2 - 10% Propane	CAS 74-98-6
0.1 – 1% o-Phenylphenol	CAS 90-43-7

4. First-aid measures

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact: Wash with plenty of soap and water. Get medical attention if irritation develops and persists.
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. If eye irritation persists: Get medical advice/attention.
Ingestion: In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth thoroughly.
Most important symptoms/effects, acute and delayed: Headache. Irritation of nose and throat. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Skin irritation.
Indication of immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

5. Fire-fighting measures

Suitable extinguishing media: Alcohol resistant foam. Water spray. Water fog. 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. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions: Move containers from fire area if you can do so 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.
General fire hazards: Extremely flammable aerosol.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. 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. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination.
Environmental precautions: Avoid release to the environment. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling: 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 handle or store near an open flame, heat or other sources of ignition. Avoid contact with eyes. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities: Level 2 Aerosol.
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. This material can accumulate static charge which may cause spark and become an ignition source. Do not handle or store near an open flame, heat or other sources of ignition. Store in original tightly closed container. 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
Ethyl Alcohol (CAS 64-17-5)	PEL	1900 mg/m3 (1000 ppm)
Propane (CAS 74-98-6)	PEL	1800 mg/m3 (1000 ppm)

US. ACGIH Threshold Limit Values

Components	Type	Value
Butane (CAS 106-97-8)	STEL	1000 ppm
Ethyl Alcohol (CAS 64-17-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Butane (CAS 106-97-8)	TWA	1900 mg/m3 (800 ppm)
Ethyl Alcohol (CAS 64-17-5)	TWA	1900 mg/m3 (1000 ppm)
Propane (CAS 74-98-6)	TWA	1800 mg/m3 (1000 ppm)

Appropriate engineering controls: Good general ventilation 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. Provide eyewash station.
Individual protection measures, such as personal protective equipment:
Eye/face protection: Wear safety glasses with side shields (or goggles).
Hand protection: Wear appropriate chemical resistant gloves.
Other: Wear suitable protective clothing.
Respiratory protection: If permissible levels are exceeded use organic vapor cartridge or an air-supplied respirator.
General hygiene considerations: When using do not smoke. 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.

9. Physical and chemical properties

Appearance

Physical state: Gas.
Form: Aerosol.
Color: Not available.
Odor: Not available.
Odor threshold: Not available.
pH: Not available.
Melting point/freezing point: Not available.
Flash point: -156.0 °F (-104.4 °C) Propellant estimated.
Evaporation rate: Not available.
Initial boiling point/boiling range: 140.71 °F (60.39 °C) estimated.
Flammability: Not available.
Auto-ignition temperature: 856.4 °F (458 °C) estimated.

Upper/lower flammability or explosive limits

Flammability limit – lower (%): 2.6 % estimated.
Flammability limit – upper (%): 12.8 % estimated.
Explosive limit - lower (%): Not available.
Explosive limit - upper (%): Not available.
Vapor pressure: 75 - 85 psig @70F estimated.
Vapor density: Not available.
Relative density: Not available.
Specific gravity: 0.79 estimated.
Solubility (water): Not available.
Viscosity: Not available.
Decomposition temperature: Not available.
Partition coefficient (n-octanol/water): Not available.

10. Stability and reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability: Material is stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials: Strong oxidizing agents. Nitrates. Fluorine. Chlorine.
Hazardous decomposition products: No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure:
Ingestion: Expected to be a low ingestion hazard.
Inhalation: No adverse effects due to inhalation are expected.
Skin contact: No adverse effects due to skin contact are expected.
Eye contact: Causes serious eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics: Headache. Irritation of nose and throat. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Skin irritation.
Information on toxicological effects:
Acute toxicity: Expected to be a low hazard for usual industrial or commercial handling by trained personnel.
Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation: Causes serious eye irritation.
Respiratory sensitization: Not available. **Skin sensitization:** This product is not expected to cause skin sensitization.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity: o-Phenylphenol (CAS 90-43-7) 3 Not classifiable as to carcinogenicity to humans.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.
Reproductive toxicity: This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure: Not classified.
Specific target organ toxicity - repeated exposure: Not classified.
Aspiration hazard: Not available.
Chronic effects: Prolonged or repeated contact may cause drying, cracking, or irritation.

12. Ecological information

Ecotoxicity: Harmful 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): Butane 2.89, Ethyl Alcohol -0.31, o-Phenylphenol 3.09, Propane 2.36
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. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging: Empty containers should be taken to an approved waste 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
Packing group: Not applicable.
Read safety instructions, SDS and emergency procedures before handling.
Packaging exceptions: 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

FIFRA: This product is a U.S. EPA Registered pesticide, EPA Reg. No. 706-69-8155, 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 products.
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4): Sodium Nitrite (CAS 7632-00-0) 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: No
SARA 311/312 Hazardous chemical: No
SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
o-Phenylphenol	90-43-7	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):
Butane (CAS 106-97-8) Propane (CAS 74-98-6)
Safe Drinking Water Act: (SDWA): Not regulated.

US state regulations

US. Massachusetts RTK - Substance List
US. New Jersey Worker and Community Right-to-Know Act
US. Pennsylvania Worker and Community Right-to-Know Law
Butane (CAS 106-97-8) Ethyl Alcohol (CAS 64-17-5) o-Phenylphenol (CAS 90-43-7) Propane (CAS 74-98-6)
US. Rhode Island RTK
Butane (CAS 106-97-8) o-Phenylphenol (CAS 90-43-7) Propane (CAS 74-98-6)
US. California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer. o-Phenylphenol (CAS 90-43-7) Listed: August 4, 2000

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

Date issued: 01. 02. 2015 HSK-1230 Revision: N/A

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