

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** KD131D KNOCK DOWN HORNET & WASP BLASTER SPRAY KILLER  
**Other means of identification**  
**Product code** 1000025622  
**Recommended use** Pesticide  
**Recommended restrictions** None Known

### Manufacturer/Importer/Supplier/Distributor Information

**Company name** KUUS INC  
**Address** 450 Tapscott Road  
Scarborough, ON M1B 1Y4  
Canada  
**Telephone** General Assistance 1-416-298-7724  
**E-mail** not available  
**Emergency phone number** Emergency – US 1-866-836-8855  
Emergency – Outside US 1-952-852-4646  
**Supplier** Not available

## 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1  
**Health hazards** Not classified

### Label elements



**Signal word** Danger  
**Hazard statement** Extremely flammable aerosol

### Precautionary statement

**Prevention** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition sources. Do not pierce or burn, even after use. Avoid release to the environment.

**Response** Wash hands after handling

**Storage** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 F

**Disposal** Dispose of contents/container in accordance with local/regional/national regulations.

**Environmental hazards** Hazardous to the aquatic environment, acute Category 3 hazard  
Hazardous to the aquatic environment, Category 3 long-term hazard

**Other hazards** None

**Supplemental information** None

### 3. Composition/information on ingredients

Mixtures

Chemical name	Common name/synonyms	CAS number	Percentage %
Nitrogen		7727-37-9	.2 - .9
d-Phenothrin		26002-80-2	.1 – 3.0
Tetramethrin		7696-12-0	.01 – 3.0

Other components below reportable levels

60-100

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-Aid measures

<b>Inhalation</b>	If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Rinse with water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth ,get medical attention if symptoms occur

**Most important Symptoms/effects, acute and delayed** Direct contact with eyes may cause temporary irritation.

**Indication of immediate medical attention and special treatment needed** Treat symptomatically

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Not available
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazard arising from the chemical</b>	Content under pressure. Pressurized container may explode with Exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>Special protective equipment</b>	Firefighters must use standard protective equipment including flame Retardant coat, helmet with face shield, gloves, rubber boots and in enclosed spaces, SCBA.
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk. 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.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire are if you can do so without risk. In event of fire and/or explosion do not breathe fumes.
<b>General fire hazard</b>	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. Wear appropriate protective equipment and clothing
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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. For personal protection, see section 8 of the SDS.

#### Methods and materials for containment and cleaning up

Refer to safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas had dispersed. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate areas. Keep combustibles (wood, paper, oil etc...) away from spilled material. Prevent product from entering drains. For waste disposal, see section 13 of SDS.

#### Environmental precautions

Avoid release to the environment. Inform appropriate managerial personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. 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, drill, solder, 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 re-use empty containers. Use only in well-ventilated areas. Wear appropriate person protective equipment (PPE). Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Level 1 Aerosol  
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 or heat source. This material can accumulate static charge which may cause spark to ignite. Store away from incompatible materials.

## 8. Exposure controls/personal protection

### Biological limit values

None

### Individual protection measures PPE

#### Eye/face protection

Wear safety glasses with side shield (or goggles)

#### Skin/Hand protection

Wear chemical resistant gloves.

#### Other

#### Respiratory protection

if permissible levels are exceeded use NIOSH mechanical filter.organic vapor cartridge or an air-supplied respirator.

**Thermal hazards**  
**General hygiene**

Wear appropriate thermal protective clothing, when necessary.  
When using do not smoke. Always observe good personal hygiene measures, such as washing hands after handling and before eating, drink and/or smoking. Routinely wash work clothing and PPE.

## 9. Physical/Chemical Properties

<b>Appearance</b>	Gas
<b>Form</b>	Aerosol
<b>Color</b>	Not available
<b>Odor</b>	Not available
<b>Odor threshold</b>	Not available
<b>PH</b>	6.5 @ 5% in water
<b>Melting point/freezing point</b>	Not available
<b>Initial boiling point</b>	188.61 F (87.01 °C ) estimated
<b>Flash point</b>	156 F (104 °C ) propellant estimate
<b>Evaporation rate</b>	Not available
<b>Flammability</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Relative density</b>	Not available
<b>Solubility (water)</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Auto-ignition temperature</b>	860 F (460 °C ) estimate
<b>Decomposition temperature</b>	Not available

### Other information

<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	Not oxidizing
<b>Specific gravity</b>	.96 estimated

## 10. Stability and reactivity

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

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be low ingestion hazard.

**Symptoms related to the physical  
Chemical and toxicological characteristics**

**Information on toxicological effects**

**Acute toxicity**

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
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Tetramethrin (CAS 7696-12-0)

**Acute**

**Oral**

LC50

Rat

4640mg/kg

\*Estimates on data may be based on additional component data not shown.

**Skin corrosion/irritation**

Prolonged skin contact may cause temporary irritation.

**Serious eye damage/irritation**

Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

Not a respiratory sensitizer.

**Skin Sensitization**

This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**

Not available

**Reproductive toxicity**

Not expected to cause reproductive or developmental effects.

**Specific target organ toxicity**

Not Classified.

**Single exposure**

**Specific target organ toxicity**

Not Classified.

**Repeated exposure**

**Aspiration hazard**

Not likely, due to the form of the product.

**12. Ecological information**

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
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Tetramethrin (CAS 7696-12-0)

**Aquatic**

Fish LC50

Carp (Cyprinus carpio)

0.095 – 0.16 mg/l, 96 hrs.

\*Estimates on data may be based on additional component data not shown.

**Persistence and degradability**

N/A

**Bio accumulative potential**

**Partition coefficient n-octanol/water (log Kow)**

Tetramethrin 4.73

**Mobility in soil**

No data available

**Other adverse effects**

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

### 13. Disposal considerations

<b>Disposal instructions</b>	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 waterways/ditches with chemical or used containers. Dispose of content/container in accordance with local/regional/national regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues</b>	Dispose in accordance with local regulations. Empty containers may retain some product residues, must be disposed of in a safe manner.
<b>Contaminated packaging</b>	Follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. Transportation information

#### TDG

<b>UN Number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS, Flammable
<b>Transport hazard</b>	
<b>Class</b>	2.1
<b>Packing group</b>	N/A
<b>Environmental hazard</b>	D
<b>Special precautions</b>	Read SDS and emergency procedures before handling.

\*This product meets the exemption requirements and may be shipped as a limited quantity.

#### IATA

<b>UN Number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS, Flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Labels</b>	2.1
<b>Packing group</b>	n/a
<b>Environmental hazard</b>	D
<b>ERG Code</b>	10L
<b>Special precautions</b>	Ready safety instructions ,SDS and emergency procedures before handling.

#### Other information

<b>Passenger/cargo aircraft</b>	Allowed with restrictions
<b>Cargo aircraft only</b>	Allowed with restrictions

#### IMDG

<b>UN Number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS, Flammable
<b>Transport hazard</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	n/a

**Environmental hazards**

<b>Marine pollutant</b>	no
<b>EmS</b>	F-D, S-U
<b>Special precautions</b>	Ready safety instructions, SDS and emergency procedures before handling

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** n/a

**IATA; IMDG; TDG**

**15.Regulatory information****Canadian regulations**

<b>Controlled Drugs and Substances Act</b>	not regulated
<b>Export Control List (CEPA 1999, Sched 3)</b>	not listed
<b>Greenhouse Gases</b>	not listed
<b>Precursor Control Regulations</b>	not regulated

**International Regulations**

<b>Stockholm Convention</b>	Not applicable
<b>Kyoto protocol</b>	Not applicable
<b>Montreal protocol</b>	Not applicable
<b>Basel Convention</b>	Not applicable

**International inventories**

<b>Country(s) or Region</b>	<b>Inventory name</b>	<b>On inventory (y/n)</b>
Australia	Australia inventory of chemical substances (AICS)	No
Canada	Domestic substances list (DSL)	No
Canada	Non-domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substance in China (IECSC)	No
Europe	European inventory of existing commercial chemical Substances (EINECS)	No
Europe	European list of notified chemical substances (ENCS)	No
Japan	Inventory of existing and new chemical substances (ENCS)	No
Korea	Existing Chemical list (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippines inventory of chemicals and chemical substances (PICCS)	No
United States and Puerto Rico	Toxic substance control act (TSCA) Inventory	Yes

A "yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "no" indicates that one or more components of the product are not listed or exempt from listing on inventory administered by the governing country(s).

## **16. Other information**

**Issue date:** 01.14.2020

**Version #** 01

**Disclaimer** 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 material or in any process, unless specified in the text.

**Revision Information** Product and company identification: alternate Trade Names