

Safety Data Sheet

Classified in accordance with SOR/2015-17

1. Product Identification

Product Information: KD238C

Product Identifier: KNOCKDOWN BEDBUG AND BEDBUG EGGS- PCP 34498

Recommended Use: Pesticide

Manufacturer/Importer/Supplier Information: KUUS INC.
450 TAPSCOTT ROAD
Toronto, ON M1B 1Y4
CA
416-298-7724

Emergency Telephone: 1-866-836-8855

2. Hazard(s) identification

Classification
Not Classified

Label elements

HAZARD PICTOGRAMS

No GHS Symbols Exist

SIGNAL WORD

No Signal Word has been assigned

GHS PRECAUTIONARY STATEMENTS

Prevention

None

Response

None

Storage

None

Disposal

None

Other Information

None

3. Composition/Information on Ingredients

Mixtures

| <u>Chemical Identity</u> | <u>Common Name and Synonyms</u> | <u>CAS Number</u> | <u>Content in Percent (%)*</u> |
|--------------------------|---------------------------------|-------------------|--------------------------------|
| Isobutane | | 75-28-5 | 5-10 |
| Propane | | 74-98-6 | 1-5 |

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

Composition Comments: Other components are not hazardous or are below required disclosure limits.
The exact concentration has been withheld as a trade secret.

4. First-aid Measures

SKIN CONTACT: Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.

EYE CONTACT: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

INHALATION: Move to fresh air.

INGESTION: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

IMPORTANT SYMPTOMS: No data available

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Get medical attention if symptoms occur.

5. Fire-fighting Measures

EXTINGUISHING MEDIA: Use fire-extinguishing media appropriate for surrounding materials.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Pressurized container may explode when exposed to heat or flame.

SPECIAL FIREFIGHTING PROCEDURES: No data available

6. Accidental Release Measures

PERSONAL PRECAUTIONS : No data available

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. Handling and Storage

HANDLING: Wear personal protective equipment.

SAFE HANDLING ADVICE: Observe good industrial hygiene practices.

STORAGE: No data available

NFPA 30B: Aerosol Level 1

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

| <u>Chemical Name</u> | <u>TLV-TWA</u> | <u>TLV-STEL</u> | <u>PEL-TWA</u> | <u>PEL-CEILING</u> |
|----------------------|----------------|-----------------|----------------|--------------------|
| Isobutane | N.E. | 1000 ppm | N.E. | N.E. |
| Propane | N.E. | N.E. | 1000 ppm | N.E. |

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

ENGINEERING CONTROLS: Provide adequate ventilation.

Personal Protection

EYE/FACE PROTECTION: Wear goggles/face shield.

SKIN PROTECTION: No data available

RESPIRATORY PROTECTION: Seek advice from local supervisor. In case of inadequate ventilation use suitable respirator.

HYGIENIC PRACTICES: General industrial hygiene practice.

9. Physical and Chemical Properties

Appearance:

| | |
|--|-----------------------------|
| Physical State: | Liquid |
| Form: | Spray Aerosol |
| Color: | Yellow |
| Odor: | No data available |
| Odor Threshold: | No data available |
| pH: | No data available |
| Freeze Point, °C: | No data available |
| Boiling Point, °C: | 450 |
| Flash Point, °C: | -104 |
| Flammability (solid, gas): | No data available |
| Evaporation Rate: | No data available |
| Combustibility: | Does not Support Combustion |
| Explosive Limits, %: | 1.8 - 9.5 |
| Vapor Pressure @20°C, PSI: | 46-55 |
| Vapor Density: | No data available |
| Relative Density: | 0.920 |
| Solubility in Water: | No data available |
| Partition Coefficient, n-octanol/water: | No data available |
| Auto-Ignition Temperature, °C: | No data available |
| Decomposition temperature, °C: | No data available |
| Kinematic Viscosity: | No data available |

10. Stability and Reactivity

REACTIVITY: Not reactive under normal conditions of use.

STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No data available

CONDITIONS TO AVOID: Avoid heat or contamination

INCOMPATIBILITY: No data available

HAZARDOUS DECOMPOSITION PRODUCTS: No data available

11. Toxicological Information

Information on Likely Routes of Exposure

SKIN CONTACT EFFECTS: May cause irritation on prolonged or repeated contact.

EYE CONTACT EFFECTS: May cause slight irritation with tearing.

INHALATION EFFECTS: Inhalation of high concentrations of mists may cause irritation of the nose throat and upper respiratory tract.

INGESTION EFFECTS: Ingestion may cause irritation of the mucous membranes, esophagus and stomach.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, or NTP.

The following values are calculated based on chapter 3.1 of the GHS document. The product itself has not been tested.

| | |
|-----------------------|--|
| <u>ATE ORAL</u> | 47,615 mg/kg |
| <u>ATE DERMAL</u> | 47,615 mg/kg |
| <u>ATE INHALATION</u> | Not classified for acute toxicity based on available data. |

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Vapor LC50</u> |
|----------------|----------------------|------------------|--------------------|-------------------|
| 75-28-5 | Isobutane | 5,000 mg/kg | 5000 mg/kg | 100 mg/l |
| 74-98-6 | Propane | 5,000 mg/kg | 5,000 mg/kg | 100 mg/l |

N.I. = No Information

Skin Corrosion & Irritation:

Product: No data available

Serious Eye Damage & Irritation:

Product: No data available

Respiratory or Skin Sensitization:

Product: No data available

STOT-Single Exposure:

Product: No data available

STOT-Repeated Exposure:

Product: No data available

Aspiration Hazard:

Product: No data available

Carcinogenicity:

Product: No data available

Reproductive Toxicity:

Product: No data available

Germ Cell Mutagenicity:

Product: No data available

12. Ecological Information

ECOLOGICAL INFORMATION: No data available

PERSISTENCE: No data available

BIOACCUMULATE: No data available

MOBILITY IN SOIL: No data available

OTHER ECOLOGICAL: No data available

13. Disposal Information

DISPOSAL INFORMATION: Consult with your local, regional and federal agencies for information on proper disposal.

CONTAMINATED PACKAGING : Consult with your local, regional and federal agencies for information on proper disposal.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No data available

TDG

| | |
|-----------------------|-------------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, NON-FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.2 |
| Subsidiary Risk | N/A |
| Packing Group: | N/A |

IATA

| | |
|-----------------------|-------------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, NON-FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.2 |
| Subsidiary Risk: | N/A |
| Packing Group: | N/A |

IMDG

| | |
|-----------------------|-------------------------|
| UN Number: | UN1950 |
| Proper Shipping Name: | AEROSOLS, NON-FLAMMABLE |
| Technical Name: | N/A |
| Hazard Class(es) | |
| Class: | 2.2 |
| Subsidiary Risk: | N/A |
| Packing Group: | N/A |

The classification shown in this section may be eligible for use of an exception, such as 'Limited Quantity', per the dangerous goods regulations. The shipper of this product should consult the applicable mode's regulation for the UN number displayed above to determine if any exceptions are available and may be utilized, at the shipper's discretion.

15. Regulatory Information

CHEMICAL INVENTORY STATUS:

| | |
|------|--|
| TSCA | On or in compliance with the inventory |
| DSL | This product contains ingredients not listed on the DSL or NDSL. |

16. Other Information

Revision Date: 1/18/2023

Datasheet produced by: Regulatory Department

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 materials or in any process, unless specified in the text.

Legend

N/A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

TLV - Threshold Limit Values (TLVs®), as established by the American Conference of Governmental Industrial Hygienists (ACGIH®)

PEL - Permissible Exposure Limit, as established by the U.S. Occupational Safety and Health Administration (OSHA), as amended

TSCA - U.S. Toxic Substance Control Act

DSL - Canada Environmental Protection Act: Domestic Substance List

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.