# SAFETY DATA SHEET

## SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

| | | | |
|---|---|---|---|
| **Product ID:** | 495975 | | |
| **Product Name:** | ZenKill III | | |
| **Revision Date:** | Jul 13, 2018 | **Date Printed:** | Jul 13, 2018 |
| **Version:** | 1.0 | **Supersedes Date:** | Nov 16, 2016 |
| **Manufacturer's Name:** | Zenex International | | |
| **Address:** | 1 Zenex Circle Cleveland, OH, US, 44146 | | |
| **Emergency Phone:** | 1-800-535-5053 | | |
| **Information Phone Number:** | (440)-232-4155 | | |
| **Fax:** | | | |

**Product/Recommended Uses:** Wasp & Hornet Killer

## SECTION 2) HAZARDS IDENTIFICATION

### Classification

Aerosols Category 1

Aspiration Hazard - Category 1

Gases Under Pressure Compressed Gas

Skin Sensitizer - Category 1

Specific Target Organ Toxicity - Repeated Exposure - Category 2

Specific Target Organ Toxicity -Single Exposure (Narcotic Effects) - Category 3

Specific Target Organ Toxicity -Single Exposure (Respiratory Tract Irritation) - Category 3

### Pictograms

### Signal Word

Danger

### Hazardous Statements - Physical

H222 - Extremely flammable aerosol

H280 - Contains gas under pressure; may explode if heated

### Hazardous Statements - Health

H304 - May be fatal if swallowed and enters airways

H317 - May cause an allergic skin reaction

H373 - May cause damage to organs through prolonged or repeated exposure.

H336 - May cause drowsiness or dizziness

H335 - May cause respiratory irritation

### Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

**Precautionary Statements - Prevention**

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves and eye protection.

P260 - Do not breathe vapors or spray.

P271 - Use only outdoors or in a well-ventilated area.

**Precautionary Statements - Response**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P331 - Do NOT induce vomiting.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 - If skin irritation or a rash occurs: Get medical attention.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P314 - Get Medical attention if you feel unwell.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTER or doctor if you feel unwell.

**Precautionary Statements - Storage**

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P403 + P405 - Store in a well-ventilated place. Store locked up.

**Precautionary Statements - Disposal**

P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Acute toxicity of less than one percent of the mixture is unknown**

## SECTION 3) COMPOSITION, INFORMATION ON INGREDIENTS

| CAS | Chemical Name | % By Weight |
|---|---|---|
| 0064742-47-8 | ISOPARAFFINIC PETROLEUM DISTILLATE | 85% - 95% |
| 0000067-63-0 | ISOPROPYL ALCOHOL | 5% - 15% |
| 0000124-38-9 | CO2 | 1.0% - 5% |
| 0052645-53-1 | PERMETHRIN | 0.1% - 3% |

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

## SECTION 4) FIRST-AID MEASURES

**Inhalation**

Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

**Eye Contact**

Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

**Skin Contact**

Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

### Ingestion

Ingestion is not a likely route of exposure. Get medical attention if you feel unwell.

## SECTION 5) FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Foam, Alcohol foam, CO2, Dry Chemical, Water fog.

### Unsuitable Extinguishing Media

Water may be ineffective but can be used to cool containers exposed to heat or flame.

### Specific Hazards in Case of Fire

Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

### Fire-Fighting Procedures

Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat.

### Special Protective Actions

Wear goggles and use a self-contained breathing apparatus. If water is used, fog nozzles are preferred.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure

Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

### Recommended Equipment

Clean up with an absorbent material and place in closed containers for disposal.

### Personal Precautions

Wear safety glasses and gloves.

### Environmental Precautions

Stop spill/release if it can be done safely.

## SECTION 7) HANDLING AND STORAGE

### General

Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally.

### Ventilation Requirements

Use in a well ventilated place.

### Storage Room Requirements

Store and use in a cool, dry, well-ventilated area. Do not store above 120°F. See product label for additional information.

## SECTION 8) EXPOSURE CONTROLS, PERSONAL PROTECTION

### Eye Protection

Safety glasses with side shields should be used if indicated. Eye wash and safety showers in the workplace are recommended.

### Skin Protection

Use solvent-resistant protective gloves for prolonged or repeated contact.

### Respiratory Protection

Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air line respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

### Appropriate Engineering Controls

Ventilation should be sufficient to prevent inhalation of any vapors.

| Chemical Name | OSHA TWA (ppm) | OSHA TWA (mg/m3) | OSHA STEL (ppm) | OSHA STEL (mg/m3) | OSHA Tables (Z1, Z2, Z3) | OSHA Carcinogen | OSHA Skin designation | NIOSH TWA (ppm) | NIOSH TWA (mg/m3) | NIOSH STEL (ppm) | NIOSH STEL (mg/m3) | NIOSH Carcinogen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CO2 | 5000 | 9000 | | | 1 | | | 5000 | 9000 | 30000 | 54000 | |
| ISOPARAFFINIC PETROLEUM DISTILLATE | 500 | 2000 | | | 1 | | | | | | | |
| ISOPROPYL ALCOHOL | 400 | 980 | | | 1 | | | 400 | 980 | 500 | 1225 | |

| Chemical Name | ACGIH TWA (ppm) | ACGIH TWA (mg/m3) | ACGIH STEL (ppm) | ACGIH STEL (mg/m3) |
|---|---|---|---|---|
| CO2 | 5000 | 9000 | 30000 | 54000 |
| ISOPARAFFINIC PETROLEUM DISTILLATE | | | | |
| ISOPROPYL ALCOHOL | 200 | | 400 | |

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

| | |
|---|---|
| Density | 6.71553 lb/gal |
| Density VOC | N.A. |
| % VOC | N.A. |
| Appearance | N.A. |
| Odor Threshold | N.A. |
| Odor Description | N.A. |
| pH | N.A. |
| Water Solubility | N.A. |
| Flammability | Flash point below 73°F/23°C |
| Flash Point Symbol | N.A. |
| Flash Point | 53.6 °F |
| Viscosity | N.A. |

| | |
|---|---|
| Lower Explosion Level | N.A. |
| Upper Explosion Level | N.A. |
| Vapor Density | Slower than ether |
| Melting Point | N.A. |
| Freezing Point | N.A. |
| Low Boiling Point | N.A. |
| High Boiling Point | N.A. |
| Decomposition Pt | N.A. |
| Auto Ignition Temp | N.A. |
| Evaporation Rate | Slower than ether |

## SECTION 10) STABILITY AND REACTIVITY

### Stability

The product is stable under normal storage conditions.

### Conditions to Avoid

High temperatures.

### Incompatible Materials

No data available.

### Hazardous Reactions/Polymerization

None known.

### Hazardous Decomposition Products

Hazardous decomposition products may include carbon dioxide, carbon monoxide, and other toxic fumes.

## SECTION 11) TOXICOLOGICAL INFORMATION

### Skin Corrosion/Irritation

No data available

### Classification of the substance or mixture

There is no ecological data available for this product.

### Serious Eye Damage/Irritation

No data available

### Carcinogenicity

No data available

### Germ Cell Mutagenicity

No data available

### Reproductive Toxicity

No data available

### Respiratory/Skin Sensitization

May cause an allergic skin reaction

### Specific Target Organ Toxicity - Single Exposure

May cause drowsiness or dizziness

May cause respiratory irritation

### Specific Target Organ Toxicity - Repeated Exposure

May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard**

May be fatal if swallowed and enters airways

**Acute Toxicity**

No data available

**Potential Health Effects - Miscellaneous**

0000067-63-0 ISOPROPYL ALCOHOL

The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rat's offspring at doses that were maternally toxic. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

0000067-63-0 ISOPROPYL ALCOHOL

LC50 (rat): 17000 ppm (4-hour exposure); cited as 12000 ppm (8-hour exposure) (18)

LD50 (oral, male rat): 4710 mg/kg (cited as 6.0 mL/kg) (19)
LD50 (oral, mouse): 3600 mg/kg (20, unconfirmed)
LD50 (dermal, rabbit): 12870 mg/kg (cited as 16.4 mL/kg) (14)

## SECTION 12) ECOLOGICAL INFORMATION

**Toxicity**

No data available

**Persistence and Degradability**

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Expected to be inherently biodegradable. The volatile constituents will oxidize rapidly by photochemical reactions in air.

**Bio-Accumulative Potential**

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Contains constituents with the potential to bio accumulate.

**Mobility in Soil**

0064742-47-8 ISOPARAFFINIC PETROLEUM DISTILLATE

Floats on water. Contains volatile constituents. Evaporates within a day from water or soil surfaces. Large volumes may penetrate soil and could contaminate groundwater.

**Other Adverse Effects**

No data available.

## SECTION 13) DISPOSAL CONSIDERATIONS

**Water Disposal**

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) TRANSPORT INFORMATION

### U.S. DOT Information

UN number: UN1950

Proper shipping name: Aerosols, flammable, (each not exceeding 1 L capacity) (LTD QTY)

Hazard class: 2.1

Packaging group: No Data Available

Hazardous substance (RQ): No Data Available

Toxic-Inhalation Hazard: No Data Available

Marine Pollutant: No Data Available

Note / Special Provision: No Data Available

### IMDG Information

UN number: UN1950

Proper shipping name: Aerosols, flammable, (each not exceeding 1 L capacity) (LTD QTY)

Hazard class: 2.1

Packaging group: No Data Available

Marine Pollutant: No Data Available

Note / Special Provision: No Data Available

### IATA Information

UN number: UN1950

Hazard class: 2.1

Packaging group: No Data Available

Proper shipping name: Aerosols, flammable, (each not exceeding 1 L capacity) (LTD QTY)

Note / Special Provision: No Data Available

## SECTION 15) REGULATORY INFORMATION

| CAS | Chemical Name | % By Weight | Regulation List |
|---|---|---|---|
| 0064742-47-8 | ISOPARAFFINIC PETROLEUM DISTILLATE | 85% - 95% | SARA312,VOC,TSCA,OSHA |
| 0000067-63-0 | ISOPROPYL ALCOHOL | 5% - 15% | SARA312,VOC,TSCA,ACGIH,OSHA |
| 0000124-38-9 | CO2 | 1.0% - 5% | SARA312,TSCA,ACGIH,OSHA |
| 0052645-53-1 | PERMETHRIN | 0.1% - 3% | SARA313, SARA312,VOC |

## SECTION 16) OTHER INFORMATION

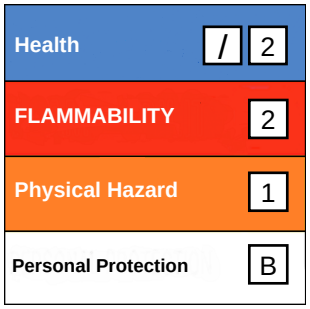
### Glossary

* There are points of differences between OSHA GHS and UN GHS. In 90% of the categories, they can be used interchangeably, but for the Skin Corrosion/Irritant Category and the Specific Target Organ Toxicity (Single and Repeated Exposure) Categories. In these cases,

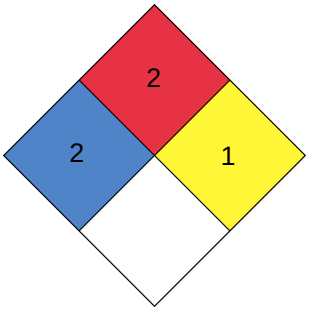
our system will say UN GHS.

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

**HMIS**




**NFPA**




( * ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks

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