SAFETY DATA SHEET

1. Identification
Product identifier TRUMPET® EC INSECTICIDE
Other means of identification
SDS number 283
Product registration number 5481-481
Recommended use Organophosphate insecticide.
Recommended restrictions This is a Restricted Use Pesticide and is for use by licensed applicators only. No other uses are advised. Keep out of the Reach of Children!
EPA Registration number EPA: 5481-481
Manufacturer/Importer/Supplier/Distributor information
Manufacturer
Company name AMVAC Chemical Corporation
Address 4100 E Washington Blvd
Los Angeles, CA 90024
Telephone AMVAC Chemical Corp 949-260-1200
AMVAC Chemical Corp 949-260-6270 (FAX)
Website www.Amvac-Chemical.com
E-mail CustServ@Amvac-Chemical.com
Emergency phone number Medical 888-681-4261
CHEMTREC® 800-424-9300 (USA+Canada)
Product Use 888-462-6822
CHEMTREC® (Outside USA) +1-703-527-3887

2. Hazard(s) identification
Physical hazards Flammable liquids Category 4
Health hazards Acute toxicity, oral Category 3
Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 1
Serious eye damage/eye irritation Category 1
Aspiration hazard Category 1
Environmental hazards Not classified.
OSHA defined hazards Not classified.
Label elements

Signal word Danger
Hazard statement Combustible liquid.
Toxic if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.
Harmful if inhaled.
May be fatal if swallowed and enters airways.
**Precautionary statement**

**Prevention**

Do not breathe mist or vapor.
Do not get in eyes, on skin, or on clothing.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing.
Wear eye/face protection.

**Response**

If swallowed: Immediately call a poison center/doctor. Rinse mouth.
If on skin: Wash with plenty of water. Take off contaminated clothing and wash before reuse. Call a POISON CENTER or doctor/physician.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
Specific treatment is urgent (see this label).
Collect spillage.

**Storage**

Store locked up.

**Disposal**

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

**Hazard(s) not otherwise classified (HNOC)**

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

**Supplemental information**

This is a pesticide product registered by the United States Environmental Protection Agency 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 chemicals. The hazard information required on the pesticide label is reproduced in section 15. The pesticide label also includes other important information, including directions for use.

### 3. Composition/information on ingredients

**Mixtures**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naled</td>
<td>DIBROM, Dimethyl 1,2-dibromo-2,2-dichloroethyl phosphate</td>
<td>300-76-5</td>
<td>78</td>
</tr>
<tr>
<td>Aromatic solvent</td>
<td></td>
<td>64742-94-5</td>
<td>6 - 16</td>
</tr>
</tbody>
</table>

**Impurities**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichlorvos (DDVP)</td>
<td>DDVP, Nuvan, Vapona, Dimethyl 2,2-dichlorovinyl phosphate</td>
<td>62-73-7</td>
<td>≤ 0.4</td>
</tr>
</tbody>
</table>

**Composition comments**

All concentrations are in percent by weight.

### 4. First-aid measures

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen or artificial respiration if needed. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell. 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.

**Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing 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**

Call a physician or poison control center immediately. Have person sip a glass of water if able to swallow. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
This is a cholinesterase inhibiting organophosphorous pesticide.

Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive sweating, salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion; in extreme cases unconsciousness, convulsions, severe respiratory depression and death may occur.

Repeated exposures to small doses of organophosphates may lower the cholinesterase to levels where the above symptoms of acute overexposure are observed. May cause an allergic skin reaction. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

This product is an Organophosphate (OP) Insecticide. Do not handle the patient without the following protective equipment in place: chemical resistant gloves and apron (preferably nitrile). Remove contaminated clothing and do not reuse without thorough cleaning with detergent and hot water. Dispose of heavily contaminated clothing, including shoes, as a hazardous waste. Do not wait for laboratory confirmation to treat patients with strong clinical evidence of poisoning. In the USA and other countries, contact your local or national poison control center for more information.

Establish airway and oxygenation. IV Atropine sulfate is the antidote of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, Atropine Sulfate should be injected at 10 minutes intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Pralidoxime chloride (2-PAM chloride) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion, in 250 cc of saline over a 15 to 20 minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5% solution in water over not less than 2 minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 0.25 grams. Avoid morphine, aminophylline, phenothiazine, reserpine, furosemide and ethacrynic acid. Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may without warning cause prolonged susceptibility very small doses of any cholinesterase inhibitor. Allow no further exposure until time for cholinesterase regeneration has been attained as determined by a blood test. Bathe and shampoo contaminated skin and hair. If ingested, empty stomach; activated charcoal is useful to further to further limit absorption. If victim is alert, Syrup of Ipecac (2 tablespoons in adults, 1 tablespoon in small children) is indicated. If symptoms such as loss of gag reflex, convulsions, or unconsciousness occur before emesis, gastric lavage should be considered following intubation with a cuffed endotracheal tube.

This product will emit toxic fumes when heated sufficiently to decompose, including hydrogen chloride, hydrogen bromide and carbon monoxide. Vapors of the unburned product will also be hazardous. Do not breathe gas, fumes, or vapor.

This is a noncombustible liquid that will not support fire.

5. Fire-fighting measures

Suitable extinguishing media
Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
During fire, gases hazardous to health may be formed. This product will emit toxic fumes when heated sufficiently to decompose, including hydrogen chloride, hydrogen bromide and carbon monoxide. Vapors of the unburned product will also be hazardous. Do not breathe gas, fumes, or vapor.

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
In case of fire: Evacuate area. Keep upwind. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
This is a noncombustible liquid that will not support fire.

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. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Do not get in eyes. Avoid contact with skin. Avoid contact with clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk, to prevent entry into waterways, sewer, basements or confined areas. Dike the spilled material, where this is possible to prevent contamination of local water sources. Siphon the majority of the liquid into drums for use or disposal, depending on the circumstances.

Small Spills: Cover residue with absorbent (clay, sawdust, straw, kitty litter, etc.), to absorb the remaining liquid. Sweep or shovel into an open drum. Clean surface thoroughly with caustic/bleach, followed by water to remove residual contamination. Absorb and sweep into the same open drum. Rinse with water, absorb, and add to the waste drum. Close the drum and dispose of properly, according to hazardous waste disposal procedures for your locality.

Never return spills to original containers for re-use.

Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic 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

Keep out of the reach of children. Keep away from food, drink and animal feedstuffs. Do not taste or swallow. Do not get this material in contact with eyes. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. Handle and open container with care. Avoid release to the environment.

Conditions for safe storage, including any incompatibilities

Store above 70°F to prevent solids formation. Keep out of the reach of children. Store locked up. Store in original tightly closed container. Keep away from food, drink and animal feedstuffs. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Components</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aromatic solvent (CAS 64742-94-5)</td>
<td>PEL</td>
<td>400 mg/m3</td>
</tr>
<tr>
<td>Naled (CAS 300-76-5)</td>
<td>PEL</td>
<td>100 ppm</td>
</tr>
<tr>
<td>Impurities</td>
<td>Type</td>
<td>3 mg/m3</td>
</tr>
<tr>
<td>Dichlorvos (DDVP) (CAS 62-73-7)</td>
<td>PEL</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aromatic solvent (CAS 64742-94-5)</td>
<td>TWA</td>
<td>200 mg/m3</td>
<td>Non-aerosol.</td>
</tr>
<tr>
<td>Naled (CAS 300-76-5)</td>
<td>TWA</td>
<td>0.1 mg/m3</td>
<td>Inhalable fraction and vapor. Form</td>
</tr>
<tr>
<td>Impurities</td>
<td>Type</td>
<td>Value</td>
<td>Form</td>
</tr>
<tr>
<td>Dichlorvos (DDVP) (CAS 62-73-7)</td>
<td>TWA</td>
<td>0.1 mg/m3</td>
<td>Inhalable fraction and vapor. Form</td>
</tr>
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US. NIOSH: Pocket Guide to Chemical Hazards

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<th>Value</th>
</tr>
</thead>
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<tr>
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<td>TWA</td>
<td>3 mg/m3</td>
</tr>
<tr>
<td>Impurities</td>
<td>Type</td>
<td>Value</td>
</tr>
<tr>
<td>Dichlorvos (DDVP) (CAS 62-73-7)</td>
<td>TWA</td>
<td>1 mg/m3</td>
</tr>
</tbody>
</table>

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

US ACGIH Threshold Limit Values: Skin designation

- Aromatic solvent (CAS 64742-94-5) Can be absorbed through the skin.
- Dichlorvos (DDVP) (CAS 62-73-7) Can be absorbed through the skin.
- Naled (CAS 300-76-5) Can be absorbed through the skin.
US NIOSH Pocket Guide to Chemical Hazards: Skin designation
Dichlorvos (DDVP) (CAS 62-73-7) Can be absorbed through the skin.
Naled (CAS 300-78-5) Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Dichlorvos (DDVP) (CAS 62-73-7) Can be absorbed through the skin.

Appropriate engineering controls
Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face protection
Safety glasses with side shields or tight fitting chemical goggles should be used whenever hazardous chemicals are being handled. A full face respirator should be worn whenever there is a chance of splashing or misting.

Skin protection
Hand protection
Wear chemical resistant gloves (preferably nitrile)

Other
The following clothing is required: overalls or pants and long-sleeved shirt, chemical resistant gloves (preferably nitrile), chemical resistant boots. For added protection a chemical resistant apron and a full face shield are recommended. If there is a risk of splashing, misting or release the following additional PPE is required: two piece hooded chemical resistant suit with either a full face respirator or a SCBA. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available, use detergent and hot water. Keep and wash PPE separately.

Respiratory protection
For exposures that may exceed the TLV, a respirator with either an organic vapor-removing cartridge with a prefiter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) is required. A full-face respirator or a SCBA may be required if misting or splashing are possible.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
When using, do not eat, drink or smoke. Do not get in eyes. Avoid contact with skin. Avoid contact with clothing. 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 Liquid.
Form Liquid.
Color Off-white to straw yellow

Odor
Sharp, pungent
Odor threshold No data available
pH Not available.
Melting point/freezing point
60 °F (15.56 °C) 15°C / 79 °F (26 °C) estimated
Initial boiling point and boiling range
320 °F (160 °C) 160°C
Flash point
150 °F (66 °C) estimated

Evaporation rate Not available
Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits
Flammability limit - lower (%) 0.7 % estimated
Flammability limit - upper (%) 5 % estimated
Explosive limit - lower (%) Not available.
Explosive limit - upper (%) Not available.

Vapor pressure
1.00E+01 mm Hg @ 100°F

Vapor density
Heavier than air

Relative density
1.67 g/cm3 @ 25°C/4°C (77°F/39°F)

Solubility(ies)
Solubility (water) Emulsifies
Solubility (solvents) This product is soluble in aromatic hydrocarbons, chlorinated hydrocarbons, ketones, and esters
Partition coefficient (n-octanol/water) approx. 100 (a.i.) at ambient temperatures
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity Not available.

Other information
Density 13.90 lb/gal
Flammability class Combustible IIIA estimated
Percent volatile 27.5 %
P H in aqueous solution 3.6 1% dilution in water
Specific gravity 1.67 @ 25°C/4°C (77°F/39°F)

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. Unstable in the presence of iron. Corrosive to aluminum and magnesium
Possibility of hazardous reactions Hazardous polymerization does not occur.
Conditions to avoid Contact with incompatible materials. Excessive heat.
Incompatible materials Strong oxidizing agents. Strong acids. Strong bases. May be corrosive to metals.
Hazardous decomposition products Heating product to decomposition will cause emission of acrid smoke and fumes of hydrogen chloride, hydrogen bromide, phosphorous oxides, and carbon oxides.

11. Toxicological information
Information on likely routes of exposure
Inhalation Harmful if inhaled.
Skin contact Causes severe skin burns.
Eye contact Causes serious eye damage.
Ingestion Toxic if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics
Acute cholinesterase depression may be evidenced by headache, nausea, vomiting, diarrhea, abdominal cramps, excessive sweating, salivation and tearing, constricted pupils, blurred vision, tightness in chest, weakness, muscle twitching and confusion; in extreme cases, unconsciousness, convulsions, severe respiratory depression and death may occur. Product may cause slight but temporary irritation to the eyes and may cause irritation of the skin.
Repeated exposures to small doses of organophosphates may lower the cholinesterase to levels where the above symptoms of acute overexposure are observed. May cause an allergic skin reaction. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Information on toxicological effects
Acute toxicity Toxic if swallowed. Harmful if inhaled. Causes severe skin burns and eye damage.

<table>
<thead>
<tr>
<th>Components</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naled (CAS 300-76-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Acute</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inhalation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50</td>
<td>Rat</td>
<td>1.42 mg/L, 4 hr nose only, Toxicity Category III</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rat</td>
<td>50 - 500 mg/kg Toxicity Category II</td>
</tr>
<tr>
<td><strong>Skin corrosion/irritation</strong></td>
<td>Corrosive to skin and eyes.</td>
<td></td>
</tr>
<tr>
<td><strong>Irritation Corrosion - Skin</strong></td>
<td>TRUMPET® EC INSECTICIDE, Corrosive</td>
<td></td>
</tr>
<tr>
<td><strong>Serious eye damage/eye irritation</strong></td>
<td>Causes serious eye damage.</td>
<td></td>
</tr>
</tbody>
</table>
Eye
TRUMPET® EC INSECTICIDE, Extremely Irritating

Respiratory or skin sensitization
Respiratory sensitization Not available.
Skin sensitization Not a skin sensitizer.
Skin sensitization TRUMPET® EC INSECTICIDE, Not a sensitizer

Germ cell mutagenicity No clear evidence of in vivo mutagenicity in mammalian assay.

Carcinogenicity
No evidence of carcinogenicity in laboratory animals with Naled Technical. However, EPA under its 1999 proposed Guidelines for Carcinogen Risk Assessment has classified DDVP, an impurity in Naled, as having "suggestive evidence of carcinogenicity, but not sufficient to assess human carcinogenic potential." IARC listed DDVP (Dichlorvos) as being possibly carcinogenic to humans (Group 2B). Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity
Dichlorvos (DDVP) (CAS 62-73-7) 2B Possibly carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens
Not listed.

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

NALED TERATOGENICITY: Maternal toxicity in rats was observed at 40 mg/kg/day (body weight loss, tremors, painful or difficult breathing, and decreased activity) using Naled Technical (a.i.). No developmental effects were observed at this dose level. The maternal NOEL was 10 mg/kg/day. The developmental NOEL was 40 mg/kg/day.

In a two-generation rat reproduction study with Naled Technical (a.i.), a decrease in male body weight gain was observed at 18 mg/kg/day; however, no effects on reproduction were found in adult animals. Decreases in offspring survival, number of pups born and decreased pup weights were noted at 18 mg/kg/day. The NOEL for both adults and offspring was 6 mg/kg/day.

Specific target organ toxicity - single exposure
Not classified.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
Not available.

Chronic effects
Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity
Very toxic to aquatic life with long lasting effects. This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water when disposing of equipment washwaters or wastes. Notify authorities if any exposure to the general public or environment occurs or is likely to occur.

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<tr>
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<tbody>
<tr>
<td>Aromatic solvent (CAS 64742-94-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Water flea (Daphnia pulex)</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Rainbow trout, donaldson trout (Oncorhynchus mykiss)</td>
</tr>
<tr>
<td>Naled (CAS 300-76-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aquatic</td>
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</table>
### Impurities Test Results

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<thead>
<tr>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dichlorvos (DDVP) (CAS 62-73-7)</strong>&lt;br&gt;<strong>Aquatic</strong>&lt;br&gt;Crustacea</td>
<td>EC50 Water flea (Daphnia pulex) 0 - 0.0001 mg/l, 48 hours</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50 Cutthroat trout (Oncorhynchus clarki) 0.141 - 0.321 mg/l, 96 hours</td>
</tr>
</tbody>
</table>

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

### Bioaccumulative potential
Not available.

### Mobility in soil
No data available.

### Other adverse effects
None known.

### 13. Disposal considerations

#### Disposal instructions
Collect and reclaim or dispose in sealed containers at licensed waste disposal site according to all applicable regulations. 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 all applicable local/regional/national/international regulations.

#### Local disposal regulations
Dispose in accordance with all applicable regulations.

#### Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

#### Waste from residues / unused products
Dispose of in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal methods/information).

#### Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal according to all applicable regulations. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

#### DOT

<table>
<thead>
<tr>
<th>DOT</th>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Class</th>
<th>Subsidiary risk</th>
<th>Label(s)</th>
<th>Special precautions for user</th>
<th>Special provisions</th>
<th>Packaging exceptions</th>
<th>Packaging non bulk</th>
<th>Packaging bulk</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>UN2922</td>
<td>Corrosive liquids, toxic, n.o.s. (Naled RQ = 10 lbs), MARINE POLLUTANT</td>
<td></td>
<td>8</td>
<td>6.1(PGIII)</td>
<td>8, 6.1</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
<td>IB3, T7, TP1, TP28</td>
<td>154</td>
<td>203</td>
<td>241</td>
</tr>
</tbody>
</table>

#### IATA

<table>
<thead>
<tr>
<th>IATA</th>
<th>UN number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Class</th>
<th>Subsidiary risk</th>
<th>Label(s)</th>
<th>Special precautions for user</th>
<th>Other information</th>
<th>Passenger and cargo aircraft</th>
<th>Cargo aircraft only</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>UN2922</td>
<td>Corrosive liquids, toxic, n.o.s. (Naled)</td>
<td></td>
<td>8</td>
<td>6.1(PGIII)</td>
<td>8, 6.1</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
<td>Allowed with restrictions.</td>
<td>Allowed with restrictions.</td>
<td>Read safety instructions, SDS and emergency procedures before handling.</td>
</tr>
</tbody>
</table>
UN proper shipping name: Corrosive liquids, toxic, n.o.s. (Naled), MARINE POLLUTANT

Transport hazard class(es)
- Class: 8
- Subsidiary risk: 6.1 (PGIII)
- Label(s): 8, 6.1
- Packing group: III
- Marine pollutant: Yes

Environmental hazards
- Not available.

EmS
- Not available.

Special precautions for user
- Read safety instructions, SDS and emergency procedures before handling.
- Not established.

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

DOT

IATA; IMDG

Marine pollutant

General information
- DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.
15. Regulatory information

US federal regulations

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

This product is registered under EPA/FIFRA Regulations as a RESTRICTED USE PESTICIDE. It is a violation of Federal Law to use this product in any manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA. This is a pesticide product registered by the United States Environmental Protection Agency 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 chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

HAZARD TO HUMANS AND DOMESTIC ANIMALS.

DANGER: CORROSIVE! Causes irreversible eye damage. Causes skin burns. May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and other wildlife. Keep out of any body of water. Do not contaminate water when disposing of equipment washwaters or wastes. Before making the first application in a season, consult with the primary State agency responsible for regulating the pesticide to determine if permits are required or regulatory mandates exist. Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates. Do not apply over bodies of water (e.g., lakes, swamps, rivers, permanent streams, natural ponds, commercial fish ponds, marshes or estuaries), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. See the label for more complete information.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichlorvos (DDVP)</td>
<td>62-73-7</td>
<td>Listed</td>
</tr>
<tr>
<td>Naled</td>
<td>300-76-5</td>
<td>Listed</td>
</tr>
</tbody>
</table>

SARA 304 Emergency release notification

Dichlorvos (DDVP) (CAS 62-73-7) 10 LBS

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>Reportable quantity (pounds)</th>
<th>Threshold planning quantity (pounds)</th>
<th>Threshold planning quantity, lower value (pounds)</th>
<th>Threshold planning quantity, upper value (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichlorvos (DDVP)</td>
<td>62-73-7</td>
<td>10</td>
<td>1000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SARA 311/312 Hazardous chemical

Yes

Classified hazard categories

Flammable (gases, aerosols, liquids, or solids)
Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Aspiration hazard

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naled</td>
<td>300-76-5</td>
<td>78</td>
</tr>
<tr>
<td>Dichlorvos (DDVP)</td>
<td>62-73-7</td>
<td>≤ 0.4</td>
</tr>
</tbody>
</table>

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Dichlorvos (DDVP) (CAS 62-73-7)
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

California Proposition 65
WARNING: WARNING: This product contains a chemical known to the State of California to cause cancer.

California Proposition 65 - CRT: Listed date/Carcinogenic substance

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*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 the inventory administered by the governing country(s).

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

Issue date: Aug-14-2015
Revision date: Apr-03-2018

References

ACGIH®: American Conference of Governmental Industrial Hygienists
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
EPA: Environmental Protection Agency
FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act
IARC: International Agency for Research on Cancer
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Agency
SARA: Superfund Amendments and Reauthorization Act
TSCA: Toxic Substances Control Act
DOT: Department of Transportation
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association

Version #
3.0

HMIS® ratings
Health: 3
Flammability: 2
Physical hazard: 0

NFPA ratings
Health: 3
Flammability: 2
Instability: 0
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Revision information

Identification: Recommended restrictions
GHS: Classification