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Version 1.1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Weed-O-Kill VOC

Other means of identification

Product Code 6612

Recommended use of the chemical and restrictions on use

Recommended use Herbicide
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet

Company Name Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312

Emergency telephone number

Emergency Telephone CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

GHS-US classification

Eye Irrit. 2A. Liq. 4	H319
Asp. Tox. 1	H304

Label elements

Emergency Overview

DANGER

Hazard statements

May be fatal if swallowed and enters airways.
Causes serious eye irritation.



Appearance: Colorless to yellow brown
oily liquid

Physical state: Liquid

Odor: Hydrocarbon odor



Precautionary Statements - Prevention

Wash thoroughly after handling
Wear protective clothing, eye protection, protective gloves.

Precautionary Statements - Response

If swallowed: Immediately call a doctor, a POISON CENTER. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do NOT induce vomiting. If eye irritation persists: Get medical advice/attention.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to comply with local/regional/national regulations

Hazards not otherwise classified (HNOC)**Other Information**

• N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	GHS-US classification	TRADE SECRET
Alkanes, C14-16	90622-46-1	10- 30	Asp. Tox. 1, H304	*
Butoxydiglycol	112-34-5	10- 30	Eye Irrit. 2A, H319	*
2-Ethylhexyl 2,4-Dichlorophenoxyacetate	1928-43-4	0.5 - 1.5	Acute Tox. 4 (Oral), H302	*

***The exact percentage (concentration) of composition has been withheld as a trade secret.**

4. FIRST AID MEASURES**First aid measures****General Advice**

If you feel unwell, seek medical advice (show the label where possible).

Skin Contact

Take off immediately all contaminated clothing and wash it before reuse. Wash skin with plenty of water. Soap may be used. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Ingestion

Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

Most important symptoms and effect, both acute and delayed**Symptoms**

Symptoms/effects: If you feel unwell, seek medical advice.

Symptoms/effects after inhalation: Irritation of the respiratory tract.

Symptoms/effects after skin contact: Irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact: Causes serious eye irritation.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

ABC powder. Alcohol-resistant foam. Carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream.

Specific hazards arising from the chemical

Reactivity : On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide). If the product is involved in a fire, it can release toxic chlorine gases. Reacts violently with (strong) oxidizers.

Protective equipment and precautions for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

General measures

No flames, no sparks. Eliminate all sources of ignition.

Personal precautions, protective equipment and emergency procedures

Personal precautions

Protective goggles. Gloves. Protective clothing.

Emergency procedures

Evacuate unnecessary personnel. No naked flames or sparks.

For emergency responders

Personal precautions

Equip cleanup crew with proper protection.

Emergency procedures

Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions

Environmental precautions

No additional information available

Methods and material for containment and cleaning up

Methods for containment

Contain released substance, pump into suitable containers.

Methods for cleaning up

This material and its container must be disposed of in a safe way, and as per local legislation. Take up liquid spill into inert absorbent material, e.g.: sand/earth. Clean contaminated surfaces with a soap solution.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Do not breathe vapours. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. Keep away from sources of ignition - No smoking. Take precautions against electrostatic charges. Obtain special instructions before use. Remove contaminated clothing immediately. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Keep container tightly closed. Keep only in the original container in a cool, well ventilated place away from: sparks, open flames, excessive heat. Keep only in original container. Meet the legal requirements. Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up.

Incompatible Materials

Oxidizing agent. Sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

2-ethylhexyl 2,4-dichlorophenoxyacetate (1928-43-4)
Not applicable

Alkanes, C14-16 (90622-46-1)
Not applicable

Butoxydiglycol (112-34-5)		
ACGIH	ACGIH OEL TWA [ppm]	10 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Hematologic, liver & kidney eff

Individual protection measures, such as personal protective equipment

Eye/face protection

Protective goggles. Safety glasses.

Skin and body protection

Gloves. Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Colorless to yellow brown oily liquid
Color	Colorless to yellow brown
Odor	Hydrocarbon odor
Odor Threshold	N/A

Property

Values

pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 210 °F
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	Heating may cause a fire or explosion.
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 °C	No data available
Specific gravity / density	0.84 g/ml
Solubility	Insoluble in water.
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	< 20 cSt
Viscosity, dynamic	No data available
VOC content	< 3 %

10. STABILITY AND REACTIVITY**Reactivity**

On burning: release of toxic and corrosive gases/vapours (nitrous vapours, sulphur oxides, carbon monoxide - carbon dioxide). If the product is involved in a fire, it can release toxic chlorine gases. Reacts violently with (strong) oxidizers.

Chemical Stability

Combustible liquid. Stable under normal conditions. Risk of explosion if heated under confinement. Heating may cause a fire or explosion

Possibility Of Hazardous Reactions

Refer to section on Reactivity.

Conditions To Avoid

Refer to Section on Incompatible Materials. Open flame. Overheating. Sparks.

Incompatible Materials

Oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition produces: CO, CO₂, Oxides of nitrogen and other potentially toxic fumes.

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified

2-Ethylhexyl 2,4-Dichlorophenoxyacetate (1928-43-4)	
LD50 oral rat	896 mg/kg (Rat, Oral)
LD50 dermal rat	> 2000 mg/kg (Rabbit, Dermal)
LC50 Inhalation - Rat	> 5.4 mg/l (4 h, Rat, Inhalation)
ATE CLP (oral)	896 mg/kg bodyweight

Alkanes, C14-16 (90622-46-1)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.8 mg/l/4h

Skin corrosion/irritation

Not classified

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

Specific target organ toxicity (single exposure)

Not classified

Specific target organ toxicity (repeated exposure)

Not classified

Aspiration hazard

May be fatal if swallowed and enters airways.

Symptoms/injuries after inhalation

Irritation of the respiratory tract.

Symptoms/injuries after skin contact

Irritation. Repeated exposure may cause skin dryness or cracking.

Symptoms/injuries after eye contact

Causes serious eye irritation.

Symptoms/injuries after ingestion

May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No additional information available

Persistence and Degradability

No additional information available

Bioaccumulative potential

2-Ethylhexyl 2,4-Dichlorophenoxyacetate (1928-43-4)	
Partition coefficient n-octanol/water (Log Pow)	5.78 (Experimental value)

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Product/Packaging disposal
recommendations**

Dispose of contents/container to comply with local/regional/national regulations.

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

Department of Transportation (DOT)

In accordance with DOT : Not regulated for transport

Additional information

Other information: No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

15. REGULATORY INFORMATION**US State Regulations****California Proposition 65**

WARNING: This product can expose you to Naphthalene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label

Caution: Harmful if swallowed. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

U.S. EPA Label Information

EPA Pesticide Registration Number 10088-76-91641

16. OTHER INFORMATION

Training advice: Normal use of this product shall imply use in accordance with the instructions on the packaging.

NFPA	Health hazards	2	Flammability	1	Reactivity	0
HMIS	Health hazards	2	Flammability	1	Physical Hazards	0



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N/A = Not Applicable; N/D = Not Determined

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.

End of Safety Data Sheet