

# **Safety Data Sheet**

Preparation Date 27-Apr-2015 Revision date 31-Dec-2018 Revision Number: 4

# 1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product Description: Devrinol DF-XT Ornamental Herbicide

Other means of identification

Product code 12U-117AA Registration number(s) 12U-117AA 70506-38

Recommended use of the chemical and restrictions on use

Recommended use Herbicide.

Uses advised against Activities contrary to label recommendation

**Details of the Supplier of the Safety Data Sheet** 

Supplier Address UPL NA Inc.

630 Freedom Business Center

Suite 402

King of Prussia, PA 19406

Emergency telephone number

**Company Phone Number** 1-800-438-6071

Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887

Medical: Rocky Mountain Poison Control Center

(866) 673-6671 (24hrs)

# 2. Hazards Identification

#### Classification

## **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Vapors)

Category 3

#### Label elements

# **EMERGENCY OVERVIEW**

## **DANGER**

#### Hazard Statements

Toxic if inhaled



Appearance Tan Physical state granular Odor no data available

**Precautionary Statements - Prevention** 

Do not get in eyes, on skin, or on clothing Use only outdoors or in a well-ventilated area

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IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician

## **Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed Store locked up

#### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

# Hazards Not Otherwise Classified (HNOC) OTHER INFORMATION

- · Causes mild skin irritation
- · May be harmful in contact with skin

# 3. Composition/information on Ingredients

Chemical name	CAS No	Weight-%
Kaolin	1332-58-7	35
Napropamide	15299-99-7	50

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

## 4. First aid measures

# **FIRST AID MEASURES**

Eye contact Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact

lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or

doctor for treatment advice.

**Skin contact** Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center

or doctor for treatment advice. Remove and wash contaminated clothing before re-use.

**Inhalation** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give

artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison

control center immediately.

**Ingestion** Call a physician or poison control center immediately. May produce an allergic reaction.

Never give anything by mouth to an unconscious person. Clean mouth with water. Seek immediate medical attention/advice. Do not induce vomiting without medical advice.

## Most Important Symptoms and Effects, Both Acute and Delayed

**Most Important Symptoms and** 

no data available.

**Effects** 

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician No information available.

# 5. Fire-fighting measures

## Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media no data available.

#### Specific hazards arising from the chemical

No information available.

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Hazardous combustion products No information available.

#### Explosion data

Protective equipment and precautions for firefighters

Use personal protective equipment. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with skin and eyes. Wear protective gloves/protective clothing and eye/face

protection.

**Environmental Precautions** 

Consult a regulatory specialist to determine appropriate state or local reporting **Environmental precautions** 

requirements, for assistance in waste characterization and/or hazardous waste disposal

and other requirements listed in pertinent environmental permits.

Methods and material for containment and cleaning up

**Methods for Clean-Up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder,

sawdust). Sweep up and shovel into suitable containers for disposal.

# 7. Handling and Storage

Precautions for safe handling

Keep in a well-ventilated place. Avoid contact with skin and eyes. Do not eat, drink or Handling

smoke when using this product. Keep out of reach of children. Remove and wash

contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Store in an area where cross-contamination with pesticides, fertilizers, food or feed could Storage

not occur. Keep in a dry, cool and well-ventilated place. Keep in properly labelled

containers. Keep containers tightly closed in a cool, well-ventilated place.

No information available. incompatible materials

# 8. Exposure Controls/Personal Protection

## **Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL
Kaolin	TWA: 2 mg/m³ particulate	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction
	matter containing no	(vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable
	asbestos and <1%	fraction
	crystalline silica, respirable	
	fraction	

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust

ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design

of exhaust systems.

Personal protective equipment

**Eye/Face Protection** 

Use eve protection to avoid eve contact. Where there is potential for eve contact have eve

flushing equipment available. Safety glasses with side-shields.

Wear protective gloves/clothing. Socks and footwear. Skin protection

Where airborne exposure is likely, use NIOSH approved respiratory protection equipment Respiratory protection

appropriate to the material and/or its components. Full facepiece equipment is

recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134.

#### General hygiene considerations

Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection.

# 9. Physical and Chemical Properties

## Information on basic physical and chemical properties

Physical state granular

AppearanceTanOdorno data available

**color** No information available

<u>Property</u> <u>VALUES</u> <u>Remarks/ • Method</u>

<del>pH</del> 6.41

Melting point/freezing point7.41 °C / 45 °FBoiling Point/RangeNo information availableFlash PointNo information availableEvaporation RateNo information availableFlammability (solid, gas)No information available

Flammability limit in air

**Upper Flammability Limit** No information available **Lower Flammability Limit** No information available vapor pressure No information available **Vapor Density** No information available Specific gravity No information available Water solubility No information available **Solubility in Other Solvents** No information available Partition coefficient: n-octanol/waterNo information available no data available **Autoignition temperature Decomposition temperature** No information available

Decomposition temperature
Viscosity, kinematic
Dynamic viscosity
Explosive properties
No information available

# **OTHER INFORMATION**

Softening point
Mo information available
No information available

Bulk density 28-34 lb/cu. ft

# 10. Stability and Reactivity

## Reactivity

no data available

# **Chemical stability**

Stable under recommended storage conditions.

# Possibility of hazardous reactions

None under normal processing.

#### Conditions to avoid

No information available.

## incompatible materials

No information available.

## **Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapours.

# 11. Toxicological Information

#### Information on Likely Routes of Exposure

**Product information** 

Devrinol 50 DF:

Acute oral LD50 (rat) = >5000 mg/kg Acute dermal LD50 (rat) = >5000 mg/kg Acute inhalation LC50 (rat) = >2.32 mg/L

Skin irritation = Slightly irritating

Eye irritation = Mildly irritating, clearing within 72 hours

Dermal sensitization = Not a sensitizer

**Inhalation** Harmful by inhalation.

Eye contact Irritating to eyes.

**Skin contact** May cause irritation.

Ingestion MAY BE HARMFUL IF SWALLOWED.

Component Information Devrinol 50

Inhalation of overwhelming amounts of kaolin dust after many years of exposure induced pneumoconiosis in workers. There is no evidence of mutagenic or clastogenic potential.

Studies in annials have shown that this product is not a developmental toxicant.

#### Information on Toxicological Effects

**Symptoms** No information available.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

Mutagenic effects no data available.

**Carcinogenicity** There are no known carcinogenic chemicals in this product.

Reproductive effects
STOT - Single Exposure
STOT - Repeated Exposure
Target organ effects
Aspiration hazard
Not Available.
no data available.
Respiratory System.
No information available.

## Numerical Measures of Toxicity - Product information

 LD50 Oral
 > 5000 mg/kg (rat)

 LD50 Dermal
 > 5000 mg/kg (rat)

 LC50 Inhalation
 > 2.32 mg/l (rat)

# 12. Ecological Information

ecotoxicity

Toxic to fish

# Persistence/Degradability

no data available.

## **Bioaccumulation/ Accumulation**

No information available.

#### **Other Adverse Effects**

no data available

# 13. Disposal Considerations

**Waste Treatment Methods** 

Waste Disposal Method Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is

a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Contaminated packaging Refer to product label.

# 14. Transport Information

<u>DOT</u>

NOT REGULATED

<u>TDG</u>

NOT REGULATED

IATA

NOT REGULATED

**IMDG** 

NOT REGULATED

# 15. Regulatory Information

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:

signal word CAUTION

Ventilation Control PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO

PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA

WORKER PROTECTION STANDARD 40 CFR PART 170.

Keep out of Reach of Children. Harmful if inhaled or absorbed through skin. Harmful if swallowed. Causes moderate eye irritation.

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**International Inventories** 

**USINV** Present **DSL/NDSL** Not present **EINECS/** Not Present

**ELINCS** 

**ENCS** Not Present China Present Present **KECL PICCS** Not Present **AICS** Present **TSCA** Not Present

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

# **Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

#### **CERCLA**

Not applicable

**CERCLA** 

**SARA Product RQ** 0

**RCRA** 

**Pesticide Information** 

State Regulations

State Right-to-Know

Not applicable

International regulations

U.S. EPA Label information

EPA Pesticide registration number 70506-38

# 16. Other Information

NFPA **HEALTH** 1 flammability 0 Instability 0 Physical hazard -

**Preparation Date** 27-Apr-2015 31-Dec-2018 Revision date **Revision Summary** 

Update logo Update section 1 Update Section 16\*\*\*

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**End of SDS**