

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Family / Chemical Name Mixture
CAS No. Mixture
Trade Name PDB-23
Product Code None

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)PrecipitantUses Advised AgainstNone

Company Identification ECOLOGIX ENVIRONMENTAL SYSTEMS, LLC

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Emergency telephone number

Emergency Phone No. 888-326-2020

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

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Label elements
Hazard Symbol

Skin Corr. 1A; Eye Dam. 1



Signal Word(s)

Hazard Statement(s)

Causes severe skin burns and eye damage.

Precautionary Statement(s)

Prevention: Wash skin thoroughly after handling. Wear protective gloves/

protective clothing/ eye protection/ face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

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 or doctor/ physician.

Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal:Dispose of contents/ container to an approved waste dis-posal

plant.

Other hazards The following percentage of the mixture consists of ingredient(s) with

unknown acute toxicity: 60 %

Additional Information Warning - this preparation contains a substance not yet tested

completely. (>10%)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.
sodium dimethyldithiocarbamate	Trade Secret	128-04-1
Calcium Hydroxide	Trade Secret	1305-62-0
Water	Trade Secret	7732-18-5

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation Remove to fresh air and keep at rest in a position comfortable for

breathing. If breathing is laboured, administer oxygen. If symptoms

occur obtain medical attention.

Skin Contact Wash off immediately with soap and plenty of water while removing all

contaminated clothes and shoes. If symptoms persist, call a physician.

Eye Contact In case of eye contact, remove contact lens and rinse immediately

with plenty of water, also under the eyelids, for at least15 minutes.

Keep eye wide open while rinsing. Seek medical advice.

Ingestion Do not induce vomiting without medical advice. If conscious, drink

plenty of water. If conscious, drink plenty of water. Never give anything

by mouth to an unconscious person.

Most important symptoms and effects, both acute and

delayed

None known

Indication of any immediate medical attention and

special treatment needed

Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media Use dry chemical, foam or carbon dioxide, ABC powder, water mist.

-Unsuitable Extinguishing Media As appropriate for surrounding fire.

Special hazards arising from the substance or mixture Burning produces irritant fumes. Exposure to decomposition products

may be a hazard to health. Cool closed containers exposed to fire

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with water spray. Do not allow run-off from fire fighting to enter drains

or water courses.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying

with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and

emergency procedures

Put on protective equipment before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection.

Environmental precautionsPrevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not allow contact with soil, surface or ground water.

Do not allow uncontrolled discharge of product into the environment.

Methods and material for containment and cleaning up Dam up. Cover spills with inert absorbent material. Transfer to a

container for disposal or recovery.

Reference to other sections None
Additional Information None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Wear protective gloves/protective clothing/eye protection/face

protection. When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

-Storage temperature No smoking.

Keep in properly labelled containers.

Observe label precautions.

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

-Incompatible materials Do not freeze.

Keep away from food and drink. Keep away from tobacco products.

Specific end use(s) Precipitant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures: Handle only in a place equipped with local exhaust (or otherappropriate exhaust).

Maintain air concentrations below occupational exposure standards.

Hazardous components without workplace control parameters

Components

sodium dimethyldithiocarbamate CAS-No.128-04-1

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Personal protection equipment

Eye/face protection



Safety glasses with side-shields Tightly fitting safety goggles Face-shield.

Skin protection (Hand protection/ Other)



The following to be used as necessary: Gloves (Neoprene or Natural rubber). Chemical protection suit. Wear safety or chemical resistant shoes or boots. Check with protective equipment manufacturer's data.

Respiratory protection



Normally no personal respiratory protection is necessary. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use NIOSH approved respiratory protection.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

Collect all precipitate. Disposal should be in accordance with local, state or national legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Color. Odor

Odor Threshold (ppm)

pH (Value)

Melting Point (°C) / Freezing Point (°C) Boiling point/boiling range (°C):

Flash Point (°C)
Evaporation Rate
Flammability (solid, gas)
Explosive Limit Ranges
Vapour pressure
Vapour Density (Air=1)

Density (g/ml) Solubility (Water) Solubility (Other)

Partition Coefficient (n-Octanol/water)

Auto Ignition Point (°C)

Decomposition Temperature (°C)

Kinematic Viscosity Explosive properties Oxidizing properties Other information Liauid

Clear Yellow-Green to amber

Slight Sulfide odor Not available 12.5 – 13.5 ca. 0 (32 °F) ca.100 (212 °F)

>200°F (Pensky-Martens)

Similar to Water

Not applicable (aqueous solution)

Not applicable 13 mm Hg @ 25°C

N/A

1.175 – 1.195 Complete Not available Not available

Non-combustible / Non-flammable

Not available Similar to Water Not explosive. Not oxidizing. Not available

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SECTION 10: STABILITY AND REACTIVITY

Reactivity Stable

Possibility of hazardous reactionsStable under recommended storage conditions.Conditions to avoidProtect from frost. Heat, flames and sparks.

Incompatible materials Oxidizing agents Strong acids and strong bases

Hazardous decomposition product(s) Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen

(NOx), dense black smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Skin Contact, Eye Contact
Substances in preparations / mixtures

Acute toxicity Oral: LD50 - Not determined

Dermal: LD50 - Not determined Inhalation: LC50 - Not Determined

 Irritation/Corrosivity
 Irritating to skin and eyes

 Sensitization
 No information available

 Repeated dose toxicity
 No information available

Carcinogenicity

No data. It is unlikely to present a carcinogenic hazard to

man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

MutagenicityNo information availableToxicity for reproductionNo information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Short term No data available- (Ceriodaphnia dubia; water flea)

No data available- (Daphnia mangna; water flea)

No data available- (Pimephales promelas; fathead minnow)

Long Term Not available

Persistence and degradability Not available

Bioaccumulative potential The product has low potential for bioaccumulation.

Mobility in soil Not available

Results of PBT and vPvB assessment Not classified as PBT or vPvB.

Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national

legislation. Consult an accredited waste disposal contractor or the local

authority for advice. Clean container with water.

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SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	UN 3267	UN 3267	UN 3267
Proper Shipping Name	Corrosive liquid, basic, organic, n.	o.s. (sodium dimethyldithiocarl	pamate)
Transport hazard class(es)	8	8	8
Packing group	III	III	III
Hazard label(s)	Corrosive	Corrosive	Corrosive
Environmental hazards	Yes	Yes	Yes
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not established.

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None			

SARA 311/312 - Hazard Categories:

☐ Fire	☐ Sudden Release	□ Reactivity		☐ Chronic (delaved)
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SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Sodium dimethyldithiocarbamate	128-04-1	40

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None			

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None		

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: June 9, 2015

National Fire Protection Association (NFPA) Rating (in fire conditions):

Toxicity: 2 Fire: 1 Reactivity: 1 Protective Equipment: B Hazard Rating: 4=extreme 3=high 2=moderate 1=slight 0=insignificant

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