**SAFETY DATA SHEET**

OSHA HCS (29 CFR 1910.1200)

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier**

Chemical Family **/** Chemical Name Sodium dimethyldithiocarbamate (40%) CAS No. 128-04-1

Trade Name MC-1140

Product Code None

**Relevant identified uses of the substance or mixture and uses advised against** Identified Use(s) Precipitant Uses Advised Against None

Company Identification Meitler Consulting, Inc.

 16979 Chieftain Rd

 PO Box 444

 Tonganoxie, KS 66086

Telephone (913) 422-9339

Fax (913) 845-2950

E-mail info@mciclay.com

**Emergency telephone number**

Emergency Phone No. **Transportation Emergency:** CHEMTREC 24 hr. 1-800-424-

9300 / 1 (703) 527-3887 (Collect calls accepted)

**SECTION 2: HAZARDS IDENTIFICATION**

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200) Not classified as dangerous for supply/use.

**Label elements**

Hazard Symbol None

Hazard Statement(s) None

Precautionary Statement(s) IF SWALLOWED: Rinse mouth. Treat symptomatically.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

IF ON SKIN: Wash with plenty of soap and water. If irritation

(redness, rash, blistering) develops, get medical attention. Do not allow to enter drains, sewers or watercourses. Keep out of reach of children.

**Other hazards** Very toxic to aquatic life. Very toxic to aquatic life with long lasting

effects.

**Additional Information** None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

|  |  |  |
| --- | --- | --- |
| **Hazardous Ingredient(s)** | **% wt.** | **CAS No.** |
| Sodium dimethyldithiocarbamate | 30 - 50 | 128-04-1 |

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.: **None**

**SECTION 4: FIRST AID MEASURES**

**Description of first aid measures**

Inhalation Not normally required. Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation (redness, rash, blistering) develops, get medical attention.

Ingestion Rinse mouth. Treat symptomatically.

**Most important symptoms and effects, both acute and delayed**

None known.

**Indication of any immediate medical attention and special treatment needed**

None known.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media**

-Suitable Extinguishing Media Non-combustible / Non-flammable. As appropriate for surrounding fire.

-Unsuitable Extinguishing Media None known.

**Special hazards arising from the substance or mixture**

None known.

**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**

Wear protective gloves/eye protection.

**Environmental precautions** Do not allow to enter drains, sewers or watercourses.

**Methods and material for containment and cleaning 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** Avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities**

-Storage temperature Store at room temperature.

-Incompatible materials Strong oxidising agents.

**Specific end use(s)** Water Treatment Chemical

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Occupational Exposure Limits**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUBSTANCE.** | **CAS No.** | **(8hr TWA)** | **STEL** | **Note:** |
| **PEL****(OSHA)** | **TLV****(ACGIH)** | **PEL****(OSHA)** | **TLV****(ACGIH)** |
| None | ----- | ----- | ----- | ----- | ----- | ----- |

**Recommended monitoring method** None

**Exposure controls**

**Appropriate engineering controls** Not normally required.

**Personal protection equipment**

Eye/face protection Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other) Wear protective gloves. (Nitrile rubber, PVC, Natural rubber)

Respiratory protection Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

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

**Environmental Exposure Controls** None known

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

Appearance Liquid

Color. Clear

Odor Not available Odor Threshold (ppm) Not available pH (Value) 10 - 11

Melting Point (°C) / Freezing Point (°C) Not available

Boiling point/boiling range (°C): Not available

Flash Point (°C) Non-combustible / Non-flammable

Evaporation Rate Similar to Water Flammability (solid, gas) Not applicable Explosive Limit Ranges Not applicable Vapour pressure (Pascal) Similar to Water Vapour Density (Air=1) Similar to Water Density (g/ml) 1.16 - 1.18

Solubility (Water) Miscible

Solubility (Other) Not available

Partition Coefficient (n-Octanol/water) Not available

Auto Ignition Point (°C) Non-combustible / Non-flammable

Decomposition Temperature (°C) Not available Kinematic Viscosity Similar to Water Explosive properties Not explosive. Oxidizing properties Not oxidizing.

**Other information** Not available

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity** Stable under normal conditions.

**Chemical stability** Stable. **Possibility of hazardous reactions** None anticipated. **Conditions to avoid** None known **Incompatible materials** None known **Hazardous decomposition product(s)** None known

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Exposure routes:** Skin Contact**,** Eye Contact

**Acute toxicity** (By analogy with similar materials) Oral: >2000 mg/kg (rat) **Irritation/Corrosivity** Not to be expected. **Sensitization** Not a Sensitizer **Repeated dose toxicity** Not to be expected. **Carcinogenicity** Not to be expected.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **NTP** | **IARC** | **ACGIH** | **OSHA** | **NIOSH** |
| No. | No. | No. | No. | No. |

**Mutagenicity** Not to be expected.

**Toxicity for reproduction** Not to be expected.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

Short term LD50 (96 hour): 1.8 mg/L (0.76 mg/L active ingredient) (*Oncorhynchus mykiss*) EC50 (48 hour): 1.6 mg/L (0.67 mg/L active ingredient) (*Daphnia magna*)

EC50 (96 hour): 0.012 mg/l (0.029 mg/L active ingredient) (*Pseudokirchneriella subcapitata*) Long Term NOEC (96 hour): 0.0094 mg/l (0.0038 mg/L active ingredient) (*Pseudokirchneriella subcapitata*)

**Persistence and degradability** Readily biodegradable.

**Bioaccumulative potential** The product has no 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.

**SECTION 14: TRANSPORT INFORMATION**

**Land transport**

**(U.S. DOT)** \*

**Sea transport**

**(IMDG)**

**Air transport**

**(ICAO/IATA)**

**UN number**

**Proper Shipping Name**

**Not classified as dangerous for transport.**

UN 3082 UN 3082

Environmentally hazardous substance, liquid, n.o.s. (Sodium dimethyldithiocarbamate)

|  |  |  |
| --- | --- | --- |
| **Transport hazard class(es)** | 9 | 9 |
| **Packing group** | III | III |
| **Environmental hazards** | Yes. | Yes. |
| **Special precautions for user** | None assigned. | None assigned. |

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

**\*** It is permissible to transport as UN3082, Environmentally hazardous substance, n.o.s., 9, PG III

**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:** Refer to SECTION 2 - HAZARDS IDENTIFICATION

**SARA 313 - Toxic Chemicals (40 CFR 372):**

|  |  |  |
| --- | --- | --- |
| **Chemical Name** | **CAS No.** | **Typical %wt.** |
| Sodium dimethyldithiocarbamate | 128-04-1 | 30 - 50 |

**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:**

**Date of preparation:** January 11,2021

**Additional Information:** None

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