

SAFETY DATA SHEET

Product Name Battery De-Sulfater
Producer Battery De-Mister LLC. Div of Thermoil Inc.
Address 4510 W Pine St.
Appleton, Wi 54914
Telephone: (920) 749-9712
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SECTION 1. . Identification

Product form : Mixture / Water based cleaning solution
Chemical name : Oxidane, Disodium Tetraborate derivatives, Organic Dye
EC index no : 005-011-00
EC no : 215-540-4
CAS No : 1303-96-4
Formula : Na₂B₄O₇·10H₂O dissolved in H₂O

Relevant identified uses

Identified use : Battery Additive

Emergency telephone number

Emergency number : 1 800-535-5053
INFOTRAC (Outside USA) +1 352-323-3500

SECTION 2: Hazards identification

GHS Classification This product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Signal Word Not applicable
Hazard Statements Not applicable
Other Hazard Information Not applicable
GHS Pictogram Not applicable
Precautionary Statements Not applicable

SECTION 3: Composition/information on ingredients

CAS No	Component	Common Name	Percent
This product does not contain ingredients that are hazardous by the OSHA Hazard Communication Standard (29 CRR 1910.1200)			

SECTION 4: First aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.
- First-aid measures after inhalation : Not Applicable
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention

SECTION 5: Firefighting measures

Suitable extinguishing media : Not Applicable

Unsuitable extinguishing media : Not Applicable

Special hazards arising from the substance or mixture

Fire hazard : Not Applicable

Explosion hazard : Not Applicable

Hazardous decomposition products in case of fire : Not Applicable

Advice for firefighters

Firefighting instructions : Not Applicable

Protective equipment for firefighters : Not Applicable

SECTION 6: Accidental release measures

Emergency procedures : Not Applicable

For emergency responders

Protective equipment : Not Applicable

Emergency procedures : In case of leaks contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and material for containment and cleaning up

For containment : In case of leaks contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Wear protective gloves and goggles

Hygiene measures : Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Technical measures : Not Applicable

Storage conditions : Keep cool. Store in a closed container.

Incompatible materials : Reactive materials to water

Specific end use(s)

No additional information available

SECTION 8: Exposure controls / personal protection

Exposure controls

Appropriate engineering controls : Not Applicable

Personal protective equipment : Protective goggles. Gloves.



Hand protection : Wear protective nitrile gloves.

Eye protection : Safety glasses. Chemical goggles or safety glasses

Skin and body protection :

Respiratory protection :

Environmental exposure controls : Avoid release to the environment.

Other information : Do not eat, drink during use. Avoid all unnecessary exposure.

SECTION 9: Physical and chemical properties

Physical state : Liquid

Appearance : Clear

Colour : Red

Odour : None

Odour threshold : No data available

pH	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	N
Freezing point	: No data available
Boiling point	: 102°C
Flash point	: None
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not applicable
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: 1.05 (water=1)
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product does not present an explosion hazard.
Oxidising properties	: No data available
Explosive limits	: Not applicable

SECTION 10: Stability and reactivity

Reactivity

No additional information available

Chemical stability

Non Hazardous material Stable at ambient temperature and under normal conditions of use

Possibility of hazardous reactions

Hazardous polymerization will not occur

Conditions to avoid

Not Applicable

Incompatible materials

Not Applicable

Hazardous decomposition products

Thermal decomposition: Carbon oxides (CO, CO₂). Nitrogen Oxides (NO_x). Hydrogen Cyanide (HCN).

SECTION 11: Toxicology information

Information on toxicological effects

Acute toxicity	: Not applicable
Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Not classified Based on available data, the classification criteria are not met

SECTION 12 : Ecological information

Toxicity

Ecology - water : Non Toxic.

Persistence and degradability

Persistence and degradability Non Toxic

Bioaccumulative potential

No additional information available

Mobility in soil

No additional information available

Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Dispose of contents/container to local or national regulation to ensure proper disposal.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transportation information

In accordance with ADR / RID / IMDG / IATA / ADN

UN number

UN-No. (ADR) : Not Dangerous Goods

UN-No. (IMDG) : Not Dangerous Goods

UN-No. (IATA) : Not Dangerous Goods

UN-No. (ADN) : Not Dangerous Goods

UN-No. (RID) : Not Dangerous Goods

UN proper shipping name

Proper Shipping Name (ADR) : Water based cleaning solution

Proper Shipping Name (IMDG) : Water based cleaning solution

Proper Shipping Name (IATA) : Water based cleaning solution

Proper Shipping Name (ADN) : Water based cleaning solution

Proper Shipping Name (RID) : Water based cleaning solution

Transport document description : Water based cleaning solution

Transport document description (IMDG) : Water based cleaning solution

Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not Dangerous Goods

Danger labels (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not Dangerous Goods

Danger labels (IMDG) : Not Dangerous Goods

IATA

Transport hazard class(es) (IATA) : Not Dangerous Goods

Hazard labels (IATA) : Not Dangerous Goods

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

Packing group

Packing group (ADR) : Not Dangerous Goods

Packing group (IMDG) : Not Dangerous Goods

Packing group (IATA) : Not Dangerous Goods

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

Special precautions for user**Overland transport**

Classification code (ADR) : Not applicable

Limited quantities (ADR) : Not applicable

Excepted quantities (ADR) : Not applicable

Packing instructions (ADR) : Not applicable

Mixed packing provisions (ADR) : Not applicable

Portable tank and bulk container instructions (ADR) : Not applicable

Portable tank and bulk container special provisions (ADR) : Not applicable

Tank code (ADR) : Not applicable

Tank special provisions (ADR) : Not applicable

Vehicle for tank carriage : Not applicable

Transport category (ADR) : Not applicable

Special provisions for carriage - Packages (ADR) : Not applicable

Special provisions for carriage - Loading, unloading and handling (ADR) : Not applicable

Special provisions for carriage - Operation (ADR) : Not applicable

Hazard identification number (Kemler No.) : Not applicable

Orange plates : Not applicable

Tunnel restriction code (ADR) : Not applicable

EAC code : Not applicable

Transport by sea

Limited quantities (IMDG) : Not applicable

Excepted quantities (IMDG) : Not applicable

Packing instructions (IMDG) : Not applicable

IBC packing instructions (IMDG) : Not applicable

Tank instructions (IMDG) : Not applicable

Tank special provisions (IMDG) : Not applicable

EmS-No. (Fire) : Not applicable

EmS-No. (Spillage) : Not applicable
Stowage category (IMDG) : Not applicable
Properties and observations (IMDG) : Red liquid. Non toxic, avoid contact with skin and eyes.
MFAG-No : Not applicable

Air transport

PCA Excepted quantities (IATA) : Not applicable
PCA Limited quantities (IATA) : Not applicable
PCA limited quantity max net quantity (IATA) : Not applicable
PCA packing instructions (IATA) : Not applicable
PCA max net quantity (IATA) : Not applicable
CAO packing instructions (IATA) : Not applicable
CAO max net quantity (IATA) : Not applicable
ERG code (IATA) : Not applicable

Inland waterway transport

Carriage prohibited (ADN) : No
Not subject to ADN : No

Rail transport

Carriage prohibited (RID) : No

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

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006

Not applicable:

trade is not on the REACH Candidate List

Contains no substance on the REACH candidate list

trade is not on the REACH Annex XIV List

Contains no REACH Annex XIV substances

Chemical safety assessment

No chemical safety assessment has been carried out

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product