

Trifectant PowderSAFETY DATA SHEET(1) IDENTIFICATION

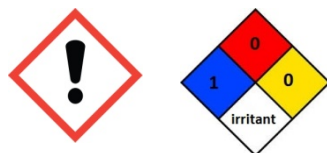
Name: Trifectant powder

Use: Disinfectant

Supplier: Vetoquinol USA (Tomlyn Products)
4250 N. Sylvania Ave
Fort Worth, TX 76137

Tel: (817)529-7500

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(2) HAZARD(S) IDENTIFICATION

Hazard Classification: Irritant, corrosive

SKIN: Dust may cause skin irritation especially under moist conditions

EYES: Dust may cause eye damage.

INHALATION: Dust causes Irritation to nose, throat, lungs, and respiratory tract.

INGESTION: May cause severe irritation to mouth, throat, digestive tract and stomach.

(3) COMPOSITION/INFORMATION ON INGREDIENTS**Common Name: Trifectant Powder**

Composition: A blend of an inorganic peroxygen compound, inorganic salts, organic acid, anionic detergent, fragrance and dye.

| <u>Chemical</u> | <u>% Concentration</u> | <u>Classification</u> | <u>CAS</u> | <u>Exposure</u> |
|--|------------------------|---|------------|--|
| Pentapotassium bis(peroxymonosulphate) bis(sulphate) | <50 | C;R34. Xn;R22 R52 | 70693-62-8 | None assigned |
| Sulphamidic acid | 5 - 10 | X _i ;R36/38 R52/53 | 5329-14-6 | None assigned |
| Sodium dodecylbenzenesulfonate | 5 - 15 | X _n ;R22 X _i ;R36/38 | 25155-30-0 | None assigned |
| Dipotassium peroxodisulphate | <2% | O; R8 Xn; R22 Xi; R36/37/38 R42/43 | 7727-21-1 | OES 1mg.m ⁻³ 8 hour TWA ref. period. |

(4) **FIRST AID MEASURES**

| <u>Exposure Route</u> | <u>Symptom</u> | <u>Treatment</u> |
|------------------------------|--|---|
| INHALATION | Irritation to nose, throat, lungs, respiratory tract. | Remove to fresh air. If symptoms of coughing, choking or wheezing prove troublesome, or recovery is not rapid, seek medical attention. |
| SKIN CONTACT | May cause irritation, especially under moist conditions. | Drench skin with plenty of water. Remove contaminated clothing. If irritation persists after rinsing with water, consult a medical advisor. |
| EYE CONTACT | Strong irritation, corrosion. | Rinse thoroughly with clean water or buffered eye wash for at least 15 minutes. Obtain medical attention. |
| INGESTION | May cause severe irritation to mouth, throat, digestive tract and stomach. | Do NOT induce vomiting. Drink plenty of water (or milk) if conscious. Obtain immediate medical attention |

(5) **FIRE-FIGHTING MEASURES****Suitable****Extinguisher:** FOAM, DRY POWDER, CO₂**Special Precautions:** Trifectant powder itself is not flammable, but may assist combustion of other materials under exceptional circumstances, e.g. when involved in a fire.**Special Protective Equipment:** Fire-fighting personnel are required to wear self contained breathing apparatus in the event of a fire involving Trifectant powder, since release of Sulphur dioxide gas may occur.(6) **ACCIDENTAL RELEASE PROCEDURES****Personal Precautions:** Wear protective equipment (see section 8). Prevent build up of dust as far as possible and remove sources of ignition.**Environmental precautions:** Do not allow the powder concentrate to enter drains or water courses. Small quantities (<1kg) however may be diluted to waste via a treatment facility with large quantities of water. Observe local restrictions.**Methods for Cleaning up:** Sweep up carefully to prevent formation of dusts, preferably with aid of a suitable dry anti-dusting agent if available. Keep product dry, if possible, during clean-up procedure. Place in suitable containers for disposal. Prevent powder from becoming moist whilst awaiting disposal, if possible. Clean affected area thoroughly with water. Moist product awaiting disposal must be kept away from combustible material and stored in manner which allows suitable ventilation of the waste.

(7) **HANDLING AND STORING**

Precautions during handling: Handle with sufficient care to prevent dust build up. Mix in a well ventilated are. Wear protective clothing. (see section 8).

Where significant dust formation occurs (e.g. when handling bulk quantities) the use of a suitable dust mask may be required (see section 8).

Storage: Keep containers tightly sealed and avoid coming into contact with moisture, during storage. Keep away from combustible material.

(8) **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering measures: Appropriate Local Exhaust Ventilation (L.E.V.) is necessary for handling the product in situations where dust formation is a problem ie. product in bulk quantities. Not normally necessary for preparation of solutions from 50g, 2.5kg, 1kg and 5kg packs.

Control Parameters: Respirable dusts - 10mg/m³ 8 hr T.W.A. (OES EH40 2002).
Potassium persulphate – 1mg.m³ 8hr T.W.A (OES EH40 2002).

Personal Protection:

Respiratory: Powder Concentrate:
Where necessary, dust mask for fine particles (eg. 3M Type 8710).

Diluted Product:
When working in mists of Trifectant solution, respiratory protection in the form of a type AP (organic vapour - particulate matter) filter is recommended.

Hand: Rubber gloves

Eye: Goggles or face-shield

Skin: Overalls may be required for dealing with large spills or when handling the product in large quantities.

(9) **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance/Odor: Yellow, free flowing powder with faint lemon odor.

pH: 2.6

Boiling point/Range: Decomposes on heating.

Flash Point: Not applicable.

Explosive properties: Not applicable.

Oxidising properties: Not oxidising.

Specific gravity: 1.07 approximately.

Solubility (water at 20°C): 65g/L

(10) STABILITY AND REACTIVITY

| | |
|--|---|
| Stability: | Stable under normal conditions. |
| Conditions to avoid: | Moisture ingress to the stored powder, which will cause rapid product degradation. |
| Materials to avoid: | Strong alkalis, Salt (Sodium chloride), Combustible materials |
| Hazardous decomposition products: | Oxygen, Sulphur dioxide. Chlorine under certain extreme conditions if powder is allowed to become moist. |

(11) TOXICOLOGICAL INFORMATION**TEST DATA**

Acute oral toxicity: LD₅₀ (Rat), 4123mg/kg

Acute dermal toxicity: LD₅₀ (Rat) 2200mg/kg

Skin irritation: Powder:
Moderately irritating primary irritation index = 2.8

Trifectant 1% solution:
Non-irritating primary irritation index = 0

Eye irritation: Powder:
May cause eye damage

Trifectant 1% solution:
Non-irritating.

Human experience: The powder product is a strong eye irritant, irritant to skin and by inhalation of the dust.

(12) ECOLOGICAL INFORMATION

Persistence and degradability: No data is available. However, based on evaluation of its components this product is not expected to display long term adverse effects in the aquatic environment.

Bioaccumulation: Not noted.

Aquatic toxicity: Harmful to aquatic organisms.

(13) DISPOSAL CONSIDERATIONS

Disposal of product and Packaging: Dispose of in accordance with all applicable state, local, and federal laws.

(14) TRANSPORT INFORMATION

U.N. Number: None assigned

(CDG-CPL): Not classified

Sea (IMDG): Not classified

Road/Rail (RID/ADR): Not classified

Class Number: None assigned

Packing Group: None assigned

Proper Shipping Name: Not applicable

Marine Pollutant: No

(15) REGULATORY INFORMATION

Symbol: Irritant (Xi)



Irritant

R-Phrases:

| | |
|------------|---------------------------------|
| R38 | Irritating to skin. |
| R41 | Risk of serious damage to eyes. |
| R52 | Harmful to aquatic organisms. |

S-Phrases:

| | |
|---------------|--|
| S2 | Keep out of reach of children |
| S22 | Do not breathe the dust |
| S24/25 | Avoid contact with skin and eyes |
| S26 | In case of contact with eyes, rinse immediately with plenty of water, seek medical advice. |

(16) OTHER INFORMATION

Uses: Disinfectant/Cleaning agent

Further product information: Consult Trifectant powder technical leaflet or Vetoquinol USA website www.vetoquinolUSA.com for further information.

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SDS Dated: 26 September 2014

Supersedes: MSDS dated 22 September 2011

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