SECTION 1: IDENTIFICATION

Revision Date: 09/10/2019


Company: Interscan Corporation
4590 Ish Dr., #110
Simi Valley, CA. 93063
United States

Interscan Corporation: (818) 882-2331

Emergency Contact: (805) 501-7551

Recommended use: For use only in Interscan Monitors or Interscan OEMs in good standing.

SECTION 2: HAZARD(S) IDENTIFICATION

Single word

Warning

Hazard statement(s)
H302        Harmful if swallowed.
H314        Causes severe skin burns and eye damage.
H351        Suspected of causing cancer

Precautionary statement(s)
P260
P264        Do not breathe dust or mist.
P270        Wash skin thoroughly after handling.
P301 + P312  Do not eat, drink or smoke when using this product.
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS NUMBER</th>
<th>% (WEIGHT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Biopersistent glass microfiber</td>
<td>Not Assigned</td>
<td>&lt;33%</td>
</tr>
<tr>
<td>HIVAL® PS HI 5308M</td>
<td>Not Assigned</td>
<td>&lt;38.5%</td>
</tr>
<tr>
<td>Lead Dioxide</td>
<td>1309-60-0</td>
<td>&lt;10%</td>
</tr>
</tbody>
</table>

**SECTION 4: FIRST-AID MEASURES**

- Electrolyte (liquid) contact with skin: Immediately rinse well with water.
- Electrolyte (liquid) contact with eyes: Remove contact lens and immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**SECTION 5: FIRE-FIGHTING MEASURES**

- Extinguishing media: Use CO₂, alcohol resistant foam, dry chemical. **DO NOT USE WATER!**
- Special protective equipment for Firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- Methods and materials for containment and cleaning up: Avoid breathing vapors. Take up mechanically without creating dust. Neutralize with mild Alkaline solution. Clean area with water.

**SECTION 7: HANDLING AND STORAGE**
Storage

Store in cool, dry, well-ventilated area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Glass Microfiber Components workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biopersistent glass microfiber</td>
<td>Not Assigned</td>
<td>TWA</td>
<td>1 fibre/cm³</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Nuisance dust</td>
<td>Not Assigned</td>
<td>TWA (Total particulate)</td>
<td>15 mg/m³</td>
<td>OSHA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Respirable fraction)</td>
<td>5 mg/m³</td>
<td>OSHA</td>
</tr>
</tbody>
</table>

Sulfuric Acid Components workplace control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid</td>
<td>TWA: 0.2 mg/m³</td>
<td>(Vacated) TWA: 1 mg/m³</td>
<td>IDLH: 15 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1 mg/m³</td>
<td>TWA: 1 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Quebec</th>
<th>Mexico OEL (TWA)</th>
<th>Ontario TWAEV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid</td>
<td>TWA: 1 mg/m³</td>
<td>STEL: 3 mg/m³</td>
<td>TWA: 1 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA: 1 mg/m³</td>
<td>TWA: 0.2 mg/m³</td>
</tr>
</tbody>
</table>

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical Properties:

1. Sulfuric Acid
   a) Appearance: Form: Liquid
      Color: Clear, Colorless to brown
   b) Odor: odorless
   c) Odor Threshold: No data available
   d) pH: 0.3 (1N)
   e) Melting Point/freezing point: Melting Point: 10°C (50°F)
   f) Initial boiling point and: 290 – 338 °C (554 – 640.4 °F)
   g) Flash Point: Not applicable
   h) Evaporation rate: Will not evaporate at ambient conditions
i) Flammability (solid, gas)  No data available  
j) Upper/lower flammability or explosive limits  No data available  
k) Vapor Pressure  < 0.001 mmHg @ 20 °C  
l) Vapor density  No Data Available  
m) Relative density  >1.67 (75% solution), 1.84 (98% solution)  
n) Water solubility  Soluble in water  
o) Partition coefficient: n-octanol/water  No data available  
p) Auto-ignition temperature  No data available  
q) Decomposition temperature  No data available  
r) Viscosity  No data available  
s) Explosive properties  No data available  
t) Oxidizing properties  Moderately Strong

II] Biopersistent glass microfiber  
a) Appearance  Fiber Glass  
   Color: white  
b) Odor  odorless  
c) Odor Threshold  No data available  
d) pH  No data available  
e) Melting Point/freezing point  No data available  
f) Initial boiling point and Flash Point  No data available  
g) Evaporation rate  Not applicable  
h) Flammability (solid, gas)  No data available  
i) Upper/lower flammability or explosive limits  No data available  
j) Vapor Pressure  No data available  
k) Vapor density  No data available  
l) Relative density  No data available  
m) Water solubility  No data available  
o) Partition coefficient: n-octanol/water  No data available  
p) Auto-ignition temperature  No data available  
q) Decomposition temperature  No data available  
r) Viscosity  No data available  
s) Explosive properties  No data available
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>III] HIVAL® PS HI 5308M</strong></td>
<td></td>
</tr>
<tr>
<td>a) Appearance</td>
<td>Form: Solid</td>
</tr>
<tr>
<td></td>
<td>Color: Black</td>
</tr>
<tr>
<td>b) Odor</td>
<td>faint</td>
</tr>
<tr>
<td>c) Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>d) pH</td>
<td>No data available</td>
</tr>
<tr>
<td>e) Melting Point/freezing point</td>
<td>79 - 135°C (174- 275°F)</td>
</tr>
<tr>
<td>f) Initial boiling point and</td>
<td>No data available</td>
</tr>
<tr>
<td>g) Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>h) Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>i) Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>j) Upper/lower</td>
<td>No data available</td>
</tr>
<tr>
<td>k) Vapor Pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>l) Vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>m) Relative density</td>
<td>1.03 -1.05 @ 20 – 25 °C (68 - 77°F)</td>
</tr>
<tr>
<td>n) Water solubility</td>
<td>insoluble</td>
</tr>
<tr>
<td>o) Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>p) Auto-ignition temperature</td>
<td>400°C ( 752°F)</td>
</tr>
<tr>
<td>q) Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>r) Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>s) Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>t) Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td><strong>IV] Lead Dioxide</strong></td>
<td></td>
</tr>
<tr>
<td>a) Appearance</td>
<td>Dark Brown Solid</td>
</tr>
<tr>
<td>b) Odor</td>
<td>odorless</td>
</tr>
<tr>
<td>c) Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>d) pH</td>
<td>No data available</td>
</tr>
<tr>
<td>e) Melting Point/freezing point</td>
<td>290°C</td>
</tr>
<tr>
<td>f) Initial boiling point and</td>
<td>No data available</td>
</tr>
<tr>
<td>g) Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>h) Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>i) Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>j) Upper/lower</td>
<td>No data available</td>
</tr>
</tbody>
</table>
### SECTION 10: STABILITY AND REACTIVITY

#### I] Sulfuric Acid

Reactivity: Reacts violently with water, exothermic, hygroscopic.
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No data available.
Hazardous decomposition products: Sulfur Oxide, Hydrogen
Other decomposition products: No data available

#### II] Biopersistent glass microfiber

Reactivity: No decomposition if stored and applied as directed.
Chemical stability: No decomposition if stored and applied as directed.
Possibility of hazardous reactions: Stable under recommended storage conditions.
No hazards to be specially mentioned.

Conditions to avoid: No data available

#### III] HIVAL® PS HI 5308M

Reactivity: No Dangerous reaction known under conditions of normal use.
Chemical stability: Stable under normal conditions
Possibility of hazardous reactions: Stable under normal conditions
Conditions to avoid: Keep away from heat and flame
Lead Dioxide

Reactivity: Reacts with metallic powders
Chemical stability: Stable under normal conditions
Possibility of hazardous reactions: None under normal processing
Conditions to avoid: Incompatible materials and dust formation

SECTION 11: TOXICOLOGICAL INFORMATION

Sulfuric Acid:

Acute toxicity:
- LD50 Oral - Rat - > 2000 mg/kg
- Inhalation: LC50 = 510 mg/m³ (Rat) 2h
- Dermal: ATE > 2000 mg/kg

Skin corrosion/irritation:
- Skin - Rabbit
  Result: Skin irritation - immediate

Serious eye damage/eye irritation:
- Eyes - Rabbit
  Result: Severe eye burn

Respiratory or skin sensitization:
- Severe burning to skin

Germ cell mutagenicity:
No data available

Carcinogenicity:
The table below indicates whether each agency has listed any ingredient as a carcinogen.
Exposure to strong inorganic mists containing sulfuric acid may cause cancer by inhalation.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>IARC</th>
<th>NTP</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid</td>
<td>7664-93-9</td>
<td>Group 1</td>
<td>Known</td>
<td>A2</td>
<td>X</td>
<td>A2</td>
</tr>
</tbody>
</table>

IARC:
- IARC: (International Agency for Research on Cancer)
  Group 1 - Carcinogenic to Humans
  Group 2A - Probably Carcinogenic to Humans
  Group 2B - Possibly Carcinogenic to Humans

ACGIH:
- A1 - Known Human Carcinogen
- A2 - Suspected Human Carcinogen
- A3 - Animal Carcinogen

NTP:
- NTP: (National Toxicity Program)
  Known - Known Carcinogen
  Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

Reproductive toxicity:
No data available

Specific target organ toxicity
- single exposure:
No data available

Specific target organ toxicity
- repeated exposure:
No data available

Aspiration hazard:
No data available

Additional Information

Symptoms / effects, both acute and Delayed
Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Ingestion causes
severe swelling, severe damage to delicate tissue and
danger of perforation.

Endocrine Disruptor Information
No data available

II] Biopersistent glass microfiber

IARC Group 3: Not classifiable as to its carcinogenicity to humans
OSHA: Biopersistent glass microfiber
NTP: Suspected human carcinogen
Reasonably anticipated to be a human carcinogen

III] HIVAL® PS HI 5308M

Acute oral toxicity: The substance or mixture has no acute oral toxicity
Acute Inhalation toxicity: The substance or mixture has no acute inhalation toxicity
Acute dermal toxicity: The substance or mixture has no acute dermal toxicity
Serious eye damage/irritation: No eye irritation
Respiratory or skin sensitization: Does not cause respiratory or skin sensitization
Germ cell mutagenicity: Classification not possible
Carcinogenicity: Not classifiable as a human carcinogen
Reproductive toxicity: No toxicity to reproduction
Specific Target Organ Toxicity
- single exposure: No data available
- repeated exposure: No data available

IV] Lead Dioxide

Acute toxicity: No additional information
Chronic toxicity: No additional information
Corrosion Irritation: No additional information
Sensitization: No additional information
Single Target Organ (STOT): 1309-60-0 Large dust exposure may cause encephalopathy,
seizures, coma, and cardio respiratory arrest.
Central Nervous System impairment, Hematologic effects,
and Peripheral Nervous System impairment.
Numerical Measures: No additional information
Carcinogenicity: 1309-60-0: OSHA specifically regulated carcinogen (Lead
Dioxide)
Mutagenicity: No additional information
Reproductive toxicity: 1309-60-0 May cause congenital malformation in the fetus.
Known human reproductive toxicant.
SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Freshwater Water Environment  Very toxic to aquatic environment. May cause long term May cause log-term adverse effects in aquatic Environment.

Persistence and degradability
Bioaccumulative potential
Mobility in soil
Other adverse effects

No data available

No data available

No data available

No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of residual product:  In accordance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION

International transport regulations

These products are not classified as dangerous goods according to international transport regulations.

SECTION 15: REGULATORY INFORMATION

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazard Catagories
Acute Health  Yes
Chronic Health  Yes
Fire  No
Sudden Release of Pressure  No
Reactive  Yes

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ. This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Component</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric acid</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
California Prop. 65 Components

Glass wool fibers (inhalable and biopersistent)

CERCLA Reportable Quantity

Not Assigned

This material does not contain any components with a CERCLA RQ.

All components of this product are on the Canadian DSL.

SECTION 16: OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.