SECTION 1  PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Antimony (III) chloride
PRODUCT NUMBER: 1108
CAS NUMBER: 10025-91-9
SYNONYM: Antimony trichloride, trichlorostibane, antimonous chloride
MANUFACTURER:
Prochem, Inc.
826 Roosevelt Road
Rockford, IL 61109
PHONE: 815-398-1788
FAX: 815-398-1810
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2  HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram

Signal Word  Danger

Hazard Statements
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H411 Toxic to aquatic life with long lasting effects

Precautionary Phrases
P260 Do not breathe dust/fume/gas/mist/vapours/spray
P273 Avoid release to the environment
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

HMIS CLASSIFICATION:
Health: 3 Flammability: 0 Reactivity: 0
NFPA RATING:
Health: 3 Fire: 0 Reactivity Hazard: 0

EYE CONTACT: Causes eye burns
SKIN CONTACT: Harmful if absorbed
SECTION 2  HAZARDS IDENTIFICATION (Cont.)

INHALATION: May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

INGESTION: Harmful if swallowed

SECTION 3  COMPOSITION / INFORMATION ON INGREDIENTS

Formula: SbCl$_3$
Molecular Weight: 228.13

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>%</th>
<th>(TWA)</th>
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<tr>
<td>Antimony (II) chloride</td>
<td>10025-91-9</td>
<td>100</td>
<td>0.5</td>
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SECTION 4  FIRST AID MEASURES

EYE EXPOSURE: Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

SKIN EXPOSURE: Immediately flush skin with plenty of soap and water. Consult a physician

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

INGESTION: Do NOT induce vomiting unless direct to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention.

SECTION 5  FIREFIGHTING MEASURES

FLASH POINT: Not available
AUTO IGNITION TEMPERATURE: Not available
EXPLOSION LIMITS: Not available
EXTINGUISHING MEDIUM: Carbon dioxide, extinguishing powder or foam.

SPECIAL FIRE FIGHTING PROCEDURES: If involved in fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Hydrogen chloride gas and antimony oxide

SECTION 6  ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Avoid dust formation. Always wear personal protective equipment.
ENVIRONMENTAL PRECAUTIONS: Prevent any further leakage. Do not let enter drains. Do not allow to be released into environment.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Avoid creating dust. Keep container tightly closed and store in a cool, well-ventilated area.

SECTION 7  HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Avoid contact with skin and eyes. Be sure to use appropriate exhaust. Avoid formation of dust.
CONDITIONS FOR SAFE STORAGE: Keep container tightly closed and store in a cool, well-ventilated area.

SECTION 8  EXPOSURE CONTROLS AND PERSONAL PROTECTION

EYE PROTECTION: Always wear approved safety glasses with side shields, or safety goggles, face shield when handling a chemical substance in the laboratory.
SKIN PROTECTION: Wear appropriate gloves to prevent skin exposure.
VENTILATION: Handle in an efficient chemical fume hood.
RESPIRATOR: Wear an approved dust respirator. The use of respirators requires a Respirator Protection Program to be in compliance with 29 CFR 19-10.134.
SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: White solid
MOLECULAR WEIGHT: 228.13
BOILING POINT: 223.5° C (dec.)
MELTING POINT: 73.4° C
SPECIFIC GRAVITY: 3.14 gm/ml
VAPOR PRESSURE: 1 hPa at 49° C. 0.28 hPa at 20° C
SOLUBILITY: Soluble

SECTION 10  STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: Not available
INCOMPATIBILITY: Water/moisture, strong bases, oxidizing agents
DECOMPOSITION PRODUCTS: Antimony oxides and hydrogen chloride

SECTION 11  TOXICOLOGICAL DATA

RTECS: CC4900000
CARCINOGENIC EFFECTS: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
MUTAGENIC EFFECTS: No data
TETRATOGNIC EFFECTS: No data
ACUTE TOXICITY: LD50 Oral-rat-525 mg/kg

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12  ECOLOGICAL DATA

Toxicity to fish- LC50 – Pimephales promelas (fathead minnow) – 9mg/l – 96 h.
Toxicity to daphnia and other aquatic invertebrates- LC50 – Daphnia magna (water flea) – 10.1 mg/l – 36 h
Toxicity to algae- IC50 – Tetrahymena pyriformis, Ciliate – 6 mg/l – 36 h
Do not allow material to reach ground water, water course, or sewage.  Danger to drinking water even if small quantities leak into the ground.  May cause long lasting harmful effects to aquatic life.

SECTION 13  DISPOSAL CONSIDERATIONS

Dispose of in according to local state and federal regulations.

SECTION 14  TRANSPORTATION DATA

Antimony trichloride, solid
Class 8
UN1733
PG II

SECTION 15  REGULATORY INFORMATION

TSCA: Listed in the TSCA inventory
SECTION 15  REGULATORY INFORMATION (Cont.)

SARA 313 COMPONENTS: Antimony trichloride
PENNSYLVANIA RIGHT TO KNOW COMPONENTS: Antimony trichloride
MASSACHUSETTS RIGHT TO KNOW COMPONENTS: Antimony trichloride
NEW JERSEY RIGHT TO KNOW COMPONENTS: Antimony trichloride

SECTION 16  OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 03/14