

BLACK-MAGIC RT BOOSTER

Revised: 4/25/18

1 IDENTIFICATION

Product Name: BLACK-MAGIC RT BOOSTER

Product Code :2260010

Recommended use of the chemical and restrictions on use:Metal finishing

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone: 203-756-5521

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Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: DANGER

Hazard Category: Acute Toxicity-Oral Hazard Category 3

Acute Toxicity-Inhalation Hazard Category 3

Skin Corrosion/Irritation Hazard Category 1B

Acute Aquatic Toxicity-Category 1

Chronic Aquatic Toxicity-Category 1

Hazard Statements: Toxic if swallowed.

Toxic if inhaled.

Causes severe skin burns and eye damage.

Very toxic to aquatic life with long lasting effects.

Prevention: Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Use only outdoors or in well ventilated area.

Avoid releases to the environment

Response: If swallowed: Immediately call poison center or doctor.

Specific treatment - refer to poison center or doctor for advice.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call poison center/doctor if you feel unwell.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash contaminated clothing before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Collect spillage

Storage: Store locked up.

Store in a well ventilated place. Keep cool.

Disposal: Dispose of contents/container in accordance with local, regional, national, or international regulations.

3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Selenious Acid	Selenous Acid	7783-00-8	~20%

4 FIRST AID

After Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory device. Call a physician or poison control center immediately.

After Skin Contact:

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean all contaminated shoes.

After Eye Contact:

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

After Ingestion:

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

Most Important Symptoms/Effects

Inhalation:

Selenium dusts produce respiratory tract irritation manifested by nasal discharge, loss of smell, epistaxis, and cough. A group of workers exposed to undetermined amounts of selenium oxide developed severe irritation of the eyes, nose, and throat, followed by headaches.

Eye:

Severe eye and or skin irritation or burns.

Skin:

Causes severe skin burns

5 FIRE FIGHTING MEASURES

Suitable and Unsuitable extinguishing media:

In case of fire: Use water, foam, chemical extinguisher or carbon dioxide.

Specific hazards arising from the chemical:

Toxic gases when heated.

Special protective equipment and precautions for firefighter

Wear chemical resistant protective equipment and self contained breathing apparatus (SCBA).

SCBA and clothing to protect against acid gases and other toxic releases.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc

Wear chemical goggle, gloves and face shield and protective clothing.

Methods and Materials for containment & cleaning up:

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

7 HANDLING AND STORAGE

Precautions for safe handling:

Use ventilation sufficient to keep personal exposure below the OSHA Permissible Exposure Limits (PEL) and or the ACGIH Threshold Limit Value (TLV) Time Weighted Average (TWA) exposure limits.

Do not get in eyes, or on skin, or on clothing.

Wear rubber gloves, goggles and chemical protective clothing.

Minimize the release of this product to the environment.

Avoid breathing dust, fumes, gas, mist, vapors and sprays.

Conditions for safe storage, inc any incompatibilities:

Keep container tightly closed.

Store in cool dry place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Selenious Acid	ACGIH	0.2 mg/m ³	-

ACGIH - American Control of Governmental Hygenists
OSHA - Occupational Safety and Health Administration

Ventilation:

Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

Respiratory Protection:

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Protective Gloves:

Acid resistant rubber.

Eye Protection:

Wear chemical safety goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear pink liquid

Odor: Plastic type odor

Odor Threshold: N/A

PH: 1.2

Melting Point/Freezing Point: N/A

Initial Boiling Point and Boiling 212 °F

Range:

Flash Point: N/A

Evaporation Rate:	N/A
Flammability (solid, gas):	Non flammable
Upper/Lower flammability or explosive limits:	N/A
Vapor Pressure:	Same as water
Vapor Density:	Same as water
Relative Density:	1.17
Solubility (ies):	Complete in water
Partition Coefficient; n-octanol/water:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

10 STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	Contact with incompatible materials
Incompatible Materials:	Avoid contact with strong oxidizers and strong acids.
Hazardous Decomposition Products:	Contact with strong acids may liberate Hydrogen Selenide.

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Selenious Acid-LD50(rat)-38.1 mg/kg
Delayed effects:	NA
Cancer Hazard:	Not listed by IARC, NTP, OSHA, ACGIH
Routes of Exposure	Eyes, Skin, Inhalation, Ingestion

12 ECOLOGICAL INFORMATION

Daphnia Magna,	no data available
Persistence and Degradability:	Not Available
Water result:	Disperses in water.
Soil/Sediment Result:	No data available

13 DISPOSAL CONSIDERATION

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

UN Number:	3289
UN Proper Shipping Name:	TOXIC LIQUID, CORROSIVE, INORGANIC, N.O.S.(SELENIUS ACID),
Transport Hazard Class (es):	6.1, (8)
Packing Group:	II
ERG:	154

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 0	
Cercla	Selenious Acid-RQ=10 lbs
Sara Hazard Classification	Selenium compounds-SARA 313 listed

16 OTHER INFORMATION

No **RoHS** or **REACH SVHC** are contained in this product.

Disclaimer: The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.

Date Prepared: 12/2/14