

QUICK CURE® 420

Revised: 2/25/21

1 IDENTIFICATION

Product Name: QUICK CURE® 420

Product Code :2281007

Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

Telephone: 203-756-5521

Fax number: 203-756-9017

Emergency Phone Number

CHEMTREC: 1 (800) 424-9300

International: 1 (703) 527-3887

2 HAZARDS IDENTIFICATION



Signal Word: DANGER

Hazard Category: Oxidizing Solid Hazard Category 3

Acute Toxicity-Oral Hazard Category 3

Eye Damage/Irritation Hazard Category 2A

Hazard Statements: May intensify fire, oxidizer

Toxic if swallowed.

Causes serious eye irritation.

Prevention: Keep away from heat.

Keep/Store away from clothing and other combustible material.

Take any precaution to avoid mixing with combustibles.

Wash skin thoroughly after handling.

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

Wear rubber protective gloves and goggles.

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

If swallowed: Immediately call poison center or doctor.

Rinse Mouth

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

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 %
Potassium Nitrate	Nitrate of Potash	7757-79-1	Approx 50%
Sodium Nitrite		7632-00-0	Approx 40%
Sodium Nitrate		7631-99-4	Less than 10%

4 FIRST AID

After Skin Contact:

If on skin: Wash with water and get medical attention if burned or irritated.

After Eye Contact:

Immediately flush with cool clean water for at least 15 minutes. Contact physician.

After Ingestion:

If swallowed: Rinse mouth. Call a doctor.

Most Important Symptoms/Effects

Eye:

Irritation of eye, skin, and or respiratory system.

Indication of immediate medical attention:

Severe eye and or skin irritation or 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:

Nitrogen oxides may be produced.

Special protective equipment and precautions for firefighter

Wear self-contained breathing apparatus for fire fighting if necessary.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, & Emergency Proc

Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal 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:

Keep container tightly closed.

Use in well ventilated area.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Potassium Nitrate		NA	
Sodium Nitrite		NA	
Sodium Nitrate		NA	

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

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Granular mixture
Odor:	No odor
Odor Threshold:	N/A
PH:	6.5- 8.5
Melting Point/Freezing Point:	Approx 420° F
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	Non flammable
Upper/Lower flammability or explosive limits:	None
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	N/A
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

Reactivity:	Low
Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	May explode if heated to decomposition temperature of 600° C
Conditions to Avoid:	Contact with incompatible materials. Keep away from Flammable, combusible and reducing substances.
Incompatible Materials:	Reducing agents, other oxidizers, acids, cyanide compounds, cyanate compounds, thiosulfates, amonium compounds and amines.

11 TOXICOLOGICAL INFORMATION

Oral Administration:	Sodium Nitrate-LC50 (rat)-1267 mg/kg ,LD50(rabbit)-2680 mg/kg
Oral Administration:	Sodium Nitrite-LD50-(Rat)-88 mg/kg
Inhalation:	Sodium Nitrite LC50(Rat)-5.5 mg/m ³ 4 h
Dermal administration:	Sodium Nitrate-LD50(Rat)->5000 mg/kg

Immediate effects: Irritation of skin and eyes.
Cancer Hazard: IARC-2A--Group 2A: Probably carcinogenic to humans (Sodium Nitrite)

12 ECOLOGICAL INFORMATION

Fish, Oncorhynchus mykis Sodium Nitrite----flow through test LC50 - 0.94-1.92 mg/L - 96 hrs
Daphnia Magna, Sodium Nitrite--EC50--12.5mg/L - 48 hrs
Persistence and Degradability: Not Available
Bioaccumulation potential: No data available
Water result: Pronounced solubility and mobility
Other adverse effects(such as hazardous to the ozone layer): Toxic to fish

13 DISPOSAL CONSIDERATION

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

14 TRANSPORT INFORMATION

UN Number: 1499
UN Proper Shipping Name: SODIUM NITRATE AND POTASSIUM NITRATE MIXTURES,
Transport Hazard Class (es): 5.1
Packing Group: III
ERG: 140
Marine Pollutant(Y/N): N/A

15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 1
Cercla 250 lbs (Sodium Nitrite 40%)
Sara Hazard Classification The chemicals in this product are not subject to SARA Title III, Section 313 Reporting Requirements.
Proposition 65 No Proposition 65 listed components in this formula
TSCA Inventory Status All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

16 OTHER INFORMATION

REACH status 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: 8/4/2014



Homeland Security

The chemicals you are receiving may need to be reported to the Department of Homeland Security.

The Department of Homeland Security (DHS) regulates security at facilities that have certain chemicals and that DHS considers high-risk under the Chemical Facility Anti-Terrorism Standards (CFATS) program (6 CFR Part 27). The CFATS program ensures high-risk facilities have security measures in place to reduce the risks associated with chemicals of interest (COI). One of the chemicals you have received is a CFATS chemical of interest.

Facilities that come into possession of screening threshold quantities of COI must report their holdings to DHS within 60 days by filing a Top-Screen survey. The list of COI and their screening threshold quantities is available at www.dhs.gov/publication/cfats-coi-list.

Who is included in this regulation?

All facilities that come into possession of reportable amounts of these COI must submit a Top-Screen survey unless they fall under an exclusion. A facility is excluded by statute if it's

- Regulated by the Maritime Transportation Security Act
- A public water system, as defined in 42 U.S.C. § 300
- A Treatment Works, as defined in 33 U.S.C. § 1292
- Owned or operated by the Department of Defense or Department of Energy
- Subject to regulation by the Nuclear Regulatory Commission

A facility may also not have to report COI to DHS if it is an agricultural production facility that uses the COI on crops, feed, land, livestock, or poultry. Read more in Federal Register Vol. 73, No. 6, page 1640 (www.gpo.gov/fdsys/pkg/FR-2008-01-09/pdf/E8-199.pdf).

How do I report to DHS?

- **Contact the CFATS Help Desk** with questions or to begin the process. The Help Desk can be reached at 866-323-2957 or at csat@hq.dhs.gov.
- **Learn more about the program** at www.dhs.gov/chemicalsecurity. Resources include the regulation, list of chemicals of interest, frequently asked questions, and more on how facilities' information is protected as Chemical-terrorism Vulnerability Information.

To submit a confidential report to DHS regarding a facility that may not be reporting its chemicals, contact the **CFATS Chemical Facility Security Tip Line**, 877-394-4347 (877-FYI 4 DHS), or email CFATSTips@hq.dhs.gov.