

# Safety Data Sheet

Better Chemistry. Better Business

**QUICK TEMPER® 300**

Revised: 3/5/21

## 1 IDENTIFICATION

**Product Name:** QUICK TEMPER® 300

**Product Code :**2281019

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

### 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 40-60%
Sodium Nitrate		7631-99-4	20-40%
Sodium Nitrite		7632-00-0	10-30%

### 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

<b>Appearance:</b>	White Granular mixture
<b>Odor:</b>	No odor
<b>Odor Threshold:</b>	N/A
<b>PH:</b>	6.5- 8.5
<b>Melting Point/Freezing Point:</b>	Approx 275° F
<b>Initial Boiling Point and Boiling Range:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Evaporation Rate:</b>	N/A
<b>Flammability (solid, gas):</b>	Non flammable
<b>Upper/Lower flammability or explosive limits:</b>	None
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Relative Density:</b>	N/A
<b>Solubility (ies):</b>	Complete in water
<b>Partition Coefficient; n-octanol/water:</b>	N/A
<b>Auto-ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

<b>Inhalation:</b>	Headache, nausea, incoordination. Absorption into the body leads to the formation of methemoglobin which in sufficient concentrations causes cyanosis-Onset may be delayed by 2 to 4 hours or longer.
<b>Immediate effects:</b>	Irritation of skin and eyes.
<b>Cancer Hazard:</b>	IARC-2A--Group 2A: Probably carcinogenic to humans (Sodium Nitrite)

## 12 ECOLOGICAL INFORMATION

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

## 13 DISPOSAL CONSIDERATION

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

## 14 TRANSPORT INFORMATION

<b>UN Number:</b>	1487
<b>UN Proper Shipping Name:</b>	POTASSIUM NITRATE AND SODIUM NITRITE MIXTURES,
<b>Transport Hazard Class (es):</b>	5.1
<b>Packing Group:</b>	II



## **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](http://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

- 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](http://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](mailto:csat@hq.dhs.gov).

**Learn more about the program** at [www.dhs.gov/chemicalsecurity](http://www.dhs.gov/chemicalsecurity). Resources include the regulation, list of chemicals of interest, frequently asked questions, and more on how -terrorism Vulnerability Information.