



# Safety Data Sheet

## 1. Product Identifier and Company Identification

<b>Product name</b>	: <b>OXY-CN</b>	
<b>HBCC SDS number</b>	: CC45000	
<b>Synonym</b>	: Hydrated Ammonium Calcium Nitrate Double Salt Solution	
<b>Product use and Restrictions</b>	: Refer to label or call	
<b>Manufacturer</b>	: Corporate Headquarters	Corporate Safety & Compliance
<b>Contact Address</b>	Hill Brothers Chemical Company 1675 North Main Street Orange, California 92867 714-998-8800 800-821-7234	Hill Brothers Chemical Company 7121 West Bell Road, Suite 250 Glendale, Arizona 85308 623-535-9955 - Office 623-535-9944 - Fax
<b>Emergency telephone Number (Chemtrec)</b>	: 800-424-9300	
<b>Website</b>	: <a href="http://hillbrothers.com">http://hillbrothers.com</a>	

## 2. Hazard Identification

**Classification** : Acute Toxicity; Oral: Category 4  
Eye Damage/Irritation: Category 1

**Signal Word** : Danger

**Pictogram(s)** :



**Hazard Statements** : H302: Harmful if swallowed.  
H318: Causes serious eye damage.

### Precautionary Statements

**Response** : P301+P330+P312: IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor.

**Prevention** : P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink, or smoke when using this product.  
P280: Wear eye protection/face protection.

- Storage** : N/A
- Disposal** : P501: Dispose of contents/container in accordance with local, regional, national, and international regulations.


### 3. Composition/Information on Ingredients

CAS Number	Ingredient Name	Weight %
15245-12-2	Calcium Ammonium Nitrate	60%

### 4. First Aid Measures

- Ingestion** : If swallowed give 3 glasses of water and induce vomiting only if victim is alert. Get prompt medical attention. Do not attempt to give anything by mouth to a drowsy or unconscious person.
- Inhalation** : Remove to fresh air. Get medical attention if irritation persists.
- Skin** : Flush with large amounts of water; use soap, if available.
- Eyes** : Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, get medical attention.
- Medical Conditions** : N/A
- Effects of Overexposure** : N/A
- Summary of Acute Health Hazards** : N/A
- Ingestion** : No hazard in normal industrial use. Ingestion of large amounts may cause systematic ammonia poisoning, nitrate poisoning, or gastroenteritis.
- Inhalation** : No hazard under normal conditions. Vapors could be irritating to respiratory system and nasal passages of sensitive people.
- Skin** : Not absorbed through skin. Frequent or prolonged contact may irritate the skin.
- Eyes** : Slightly aggravating but does not injure eye tissues.
- Note to Physicians** : N/A
- Summary of Chronic Health** : N/A

## 5. Fire Fighting Measures

<b>Extinguishing</b>	: Nonflammable liquid. Use whatever media is necessary for stopping the cause of fire.
<b>Special Exposure Hazards</b>	: None in the liquid state. Organic and oxidizable materials can sensitize dry Calcium Ammonium Nitrate to a readily explodable state; can detonate Under confinement with high pressure.
<b>Special Protective Equipment for Firefighters</b>	: Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
<b>Fire Fighting Procedures</b>	: N/A
<b>NFPA Rating</b>	: Health - 1 Flammability - 0 Instability - 0
	
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme	
<b>Uniform Fire Code Rating</b>	: N/A

## 6. Accidental Release Measures

<b>Personal Precautions</b>	: N/A
<b>Emergency Procedures</b>	: N/A
<b>Methods of Containment And Clean-Up</b>	: Dike the area of spill. Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway.

## 7. Handling and Storage

- Safe Handling** : Open drums in well ventilated area only. Avoid breathing vapors.
- Storage** : Keep above 32°F. DO NOT ALLOW TO DRY.
- Work/Hygienic Practices** : Wash hands with plenty of soap and water before eating, smoking, and using toilet facilities.
- Ventilation** : Local ventilation is adequate.

## 8. Exposure Controls/Personal Protection

**Occupational Exposure Limits** :

Chemical Name: Oxy-CN				
Exposure Limits (TWAs) in Air				
CAS Number	IDLH	ACGIH TLV	OSHA PEL	STEL
15245-12-2	N/A	N/A	N/A	N/A

- Protective Equipment** : The use of chemically resistant gloves is recommended. Soiled clothing should be laundered before re-use.
- Eye Protection** : Wear safety glasses with side shields.
- Respiratory Protection** : None required under normal handling conditions. Use NIOSH approved respirator if vapor or mist levels are irritating.

## 9. Physical and Chemical Properties

<b>Appearance:</b> Clear liquid	<b>Odor:</b> Odorless
<b>Odor Threshold:</b> N/A	<b>pH:</b> 6.0-7.0
<b>Melting Point/Freezing Point:</b> -5°C	<b>Initial Boiling Point/Range:</b> 220°F
<b>Flash Point:</b> Non-Flammable	<b>Evaporation Rate (BuAc=1):</b> 0.4
<b>Flammability:</b> N/A	<b>Lower/Upper Explosive Limit:</b> N/A
<b>Vapor Pressure (mmHg):</b> N/A	<b>Vapor Density (Air=1):</b> 0.6
<b>Relative Density:</b> N/A	<b>Solubility in Water:</b> Complete
<b>Partition Coefficient:</b> N/A	<b>Autoignition Temperature:</b> N/A
<b>Decomposition Temperature:</b> N/A	<b>Viscosity:</b> N/A
<b>% Volatiles:</b> 40%	<b>Specific Gravity (Water=1):</b> 1.465, 12.2 lbs/Gal
<b>Molecular Weight:</b> N/A	<b>VOC:</b> Zero

## 10. Stability and Reactivity

- Reactivity** : Hazardous chemical reaction will not occur under normal storage conditions and uses.

**Chemical Stability** : Stable

**Possibility of Hazardous Reactions or Polymerizations** : Hazardous polymerization will not occur

**Conditions to Avoid** : N/A

**Incompatible Materials** : Strong oxidizing agents, reducing agents, bleach, and caustic.

**Hazardous Decomposition Products** : Stable under normal temperature and pressure. When caught in a fire, may give off fumes of nitrogen oxides and ammonia.

**11. Toxicological Information**

**Acute and Chronic Effects** : See Section 4

**Routes of Exposure**

**Inhalation** : Yes  
**Ingestion** : Yes  
**Skin** : Yes  
**Eyes** : Yes

**Symptoms related to Physical, Chemical & Toxicological Characteristics** : N/A

**Numerical Measures of Toxicity** : Slightly toxic to aquatic organisms.

**Chronic Toxicity** : N/A

**Carcinogenicity** :

Product Name: OXY-CN					
ACGIH	IARC	EPA	NIOSH	NTP	OSHA
N/A	No	N/A	N/A	No	No

**TARGET ORGANS** : N/A

**12. Ecological Information**

**Ecotoxicity** : N/A

**Persistence and Degradability** : N/A

**Bioaccumulative Potential** :

Product/Ingredient	Log <sub>Pow</sub>	BCF	Potential
N/A	N/A	N/A	N/A

**Mobility in Soil** : N/A

## 13. Disposal Considerations

**Disposal of Container** : Waste disposal should be in accordance with existing federal, state and local regulations. Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied. This product does not meet the definition of hazardous waste.

## 14. Transport Information

This product is not regulated as a hazardous material, substance or dangerous good.

## 15. Regulatory Information

**Section 302 Extremely Hazardous Substance (EHS)** : No chemicals in this material are subject to the reporting requirements of Sara Title III, Section 302.

**Section 304 Extremely Hazardous Substance (EHS)** : No chemicals in this material are subject to the reporting requirements of Sara Title III, Section 304.

**SARA 311/312 Hazards** :

Sara 311/312 Hazards				
Acute	Chronic	Flammability	Pressure	Reactivity
No	No	No	No	No

**SARA 313 Supplier Notification** : This product does not contain any chemical components with known CAS numbers that exceed the reporting requirements of SARA Title III, Section 313.

**CERCLA Hazardous Substance** : No CERCLA reportable chemicals are found in this product.

**Clean Air Act (CAA)** : This product is not listed as a pollutant under the US Clean Air Act, Section 12 (40 CFR 61)

**California Prop 65** : This product does not contain any chemicals known to the state of California to cause cancer.

**Label Warning** : None

**EPA Registration** : None

## 16. Other Information

**Revision date** : 06/28/2017

**Supersedes** : 04/13/2015

**First Issue** : 06/21/2010

**Chemical Family/Type** : Solution of inorganic salts of Nitrogen.

**Section(s) changed since last revision** : Sections 2 and 5

**IMPORTANT!** Read this SDS before use or disposal of this product. Pass along the information to employees and any other persons who could be exposed to the product to be sure that they are aware of the information before use or other exposure. This SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; **Hill Brothers Chemical Company** makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use.