


# Material Safety Data Sheet

<b>Product :</b>	OMEGA TH-7125	
<b>Product Reference :</b>	67125	<b>Page 1 / 8</b>

## 1. IDENTIFICATION OF THE SUBSTANCE

<b>Product Name:</b>	OMEGA TH-7125
<b>Product Type and Use:</b>	Industrial Boiler Water Treatment Compound
<b>Supplier Name and Address:</b>	COVENTYA Inc. 4639 Van Epps Road, Brooklyn Heights, OH 44131
<b>Supplier Phone Number:</b>	(216) 351-1500
<b>Emergency Contact Phone Number:</b>	1 (800) 424-9300 CHEMTREC – 24hrs

## 2. HAZARD IDENTIFICATION

<b>Classification:</b>	Skin irritation, Category 2 Skin corrosion, Category 1
<b>Symbol:</b>	
<b>Signal Word:</b>	Danger, Warning, Irritant
<b>Hazard Statement:</b>	Causes eye damage, possible blindness. Can produce skin damage and burns. May cause damage to the respiratory tract, or even the lungs. Can cause severe burns to intestinal tract.
<b>Precautionary Statement:</b>	Keep container tightly closed. Wear protective gloves and eye/face protection. Avoid contact with skin and eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	CAS#	Max. Conc. (wt %)
Cyclohexylamine	108-91-8	5%
Potassium Hydroxide	1310-58-3	5%

<b>Date created :</b> 08/17/09	<b>Revision date :</b> 10/05/09
	<b>Alphabetical index :</b> OMEGA

## Material Safety Data Sheet

<b>Product :</b>	OMEGA TH-7125	
<b>Product Reference :</b>	67125	<b>Page 2 / 8</b>

### 4. FIRST AID MEASURES

<b>Contact with eyes:</b>	Flush with clean water for 15 minutes. Contact a Physician. Washing eyes within 1 minute after contact is essential to achieve maximum effectiveness.
<b>Contact with skin:</b>	Immediately wash skin with soap and plenty of water for 15 minutes. Remove contaminated clothing and do not re-use until laundered.
<b>Inhalation:</b>	Remove victim to fresh air. Seek medical attention. If breathing has stopped, start artificial respirations. If breathing difficult, give oxygen.
<b>Swallowing:</b>	Do not induce vomiting. Give large amounts of milk and/or water. Seek medical attention if symptoms persist.

### 5. FIREFIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Water Fog, Dry Chemical, "Alcohol" Foam, and CO <sub>2</sub>
<b>Unsuitable Extinguishing Media:</b>	High flow water jet
<b>Specific Hazards in Case of Fire:</b>	Cool fire exposed drums with water to prevent rupturing.
<b>Protective Equipment / Precautions :</b>	Positive pressure, self-contained respiratory protection and protective clothing should be worn by firefighters in areas where product is stored.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Depending on the extent of release, consider the need for firefighters/emergency responders with adequate personal protective equipment for cleaning up. Do not eat, drink or smoke while cleaning up. See section 8 for personal protective equipment. See section 7 for handling instructions.
<b>Environmental Precautions:</b>	Prevent spills from entering storm sewers or drains and contact with soil.
<b>Methods / Materials for Containment and Clean up:</b>	Contain spill. Cover with an absorbent material (treated sawdust, diatomaceous earth, sand). Shovel up and dispose of at an appropriate waste facility in accordance with current applicable laws and regulations.

### 7. HANDLING AND STORAGE

<b>Safe Handling Procedures:</b>	Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid breathing mists or vapors.
<b>Safe Storage Procedures w/ Incompatibles:</b>	Keep container tightly closed when not in use. Protect from freezing. Store away from sources of high heat and open flame and spark. Store away from acids, strong oxidizers, zinc and aluminum.

<b>Date created :</b> 08/17/09	<b>Revision date :</b> 10/05/09
	<b>Alphabetical index :</b> OMEGA

## Material Safety Data Sheet

<b>Product :</b>	OMEGA TH-7125	
<b>Product Reference :</b>	67125	<b>Page 3 / 8</b>

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits					
Component Name	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Cyclohexylamine	108-91-8		40		Not Listed
Potassium Hydroxide	1310-58-3		2.0		Not Listed

<b>Ventilation:</b>	Exhaust ventilation to maintain air contamination below TLV. Mechanical ventilation recommended.
<b>Respiratory Protection:</b>	Use appropriate NIOSH approved respiratory equipment for dust and mists.
<b>Eye Protection:</b>	Face shield, chemical splash goggles
<b>Skin Protection:</b>	Rubber or other suitable material

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	Amine odor
<b>Relative Density:</b>	1.100 – 1.250 g/ml @ 68° F (20° C)
<b>pH:</b>	12.0 – 14.0
<b>Melting Point:</b>	Not available
<b>Freezing Point:</b>	32° F (0° C)
<b>Initial Boiling Point:</b>	Not available
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	Slower than ether
<b>Flammability (solid, gas):</b>	Not applicable
<b>Explosive Limits:</b>	Not applicable
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Heavier than air
<b>Solubility:</b>	Complete
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temp:</b>	Not available
<b>Decomposition Temp:</b>	Not available

<b>Date created :</b> 08/17/09	<b>Revision date :</b> 10/05/09
	<b>Alphabetical index :</b> OMEGA

# Material Safety Data Sheet

<b>Product :</b>	OMEGA TH-7125	
<b>Product Reference :</b>	67125	<b>Page 4 / 8</b>

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable
<b>Possibility of Hazardous Reaction:</b>	Will not occur
<b>Conditions to Avoid:</b>	Freezing Temperatures. Sources of high heat and open flame and spark.
<b>Materials to Avoid:</b>	Strong acids, Strong oxidizers, Zinc, and Aluminum
<b>Hazardous Decomposition:</b>	Oxides of Carbon and Nitrogen

## 11. TOXICOLOGICAL INFORMATION

<b>Signs / Symptoms of Overexposure:</b>	Burning sensations of the eyes and nasal tract. Exposure may cause severe burns to the respiratory and digestive tracts.	
<b>Acute Effects</b>		
<b>Eye Contact:</b>	Severe irritant. Prolonged or repeated contact can cause severe burns and tissue damage.	
<b>Skin Contact:</b>	Moderate irritant. Prolonged or repeated exposure can produce alkaline burns.	
<b>Inhalation:</b>	Inhalation of liquids or airborne concentrations of mists or vapors may cause irritation and possible damage to upper respiratory tract.	
<b>Ingestions:</b>	Industrial chemicals should never be taken internally. Can cause severe burns and complete tissue perforation of the mucous membranes of the mouth, throat, esophagus, and stomach, if swallowed.	
<b>Chronic Effects:</b>	None known	
<b>Medical Conditions Aggravated by Exp.:</b>	None known	
<b>Acute Toxicity Values</b>		
<b>Oral LD<sub>50</sub> (Rat) =</b>	Not Known	
<b>Dermal LD<sub>50</sub> (Rabbit) =</b>	Not Known	
<b>Inhalation LC<sub>50</sub> (Rat) =</b>	Not Known	

<b>Date created :</b> 08/17/09	<b>Revision date :</b> 10/05/09
	<b>Alphabetical index :</b> OMEGA

## Material Safety Data Sheet

<b>Product :</b>	OMEGA TH-7125	
<b>Product Reference :</b>	67125	<b>Page 5 / 8</b>

### 12. ECOLOGICAL INFORMATION

<b>Persistence and Degradability:</b>	The total of the organic components contained in the product is not classified as 'readily biodegradable' (OECD-301 A-F). However, this product is expected to be inherently biodegradable.	
<b>Bio-Accumulative Potential:</b>	There is no evidence to suggest bioaccumulation will occur.	
<b>Mobility:</b>	Accidental spillage may lead to penetration on the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects	
<b>Ecological Toxicity Values</b>		
<b>LC<sub>50</sub> (Fish) =</b>	Not Known	

### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal:</b>	Dispose of in accordance with Federal, State and Local regulations.	
<b>Recommended European Waste Code (EWC):</b>	06.13.99	

<b>Date created :</b> 08/17/09	<b>Revision date :</b> 10/05/09
	<b>Alphabetical index :</b> OMEGA

# Material Safety Data Sheet

<b>Product :</b>	OMEGA TH-7125	
<b>Product Reference :</b>	67125	<b>Page 6 / 8</b>

## 14. TRANSPORT INFORMATION

<b>U.S. DOT (Land)</b>	<b>Department of Transportation</b>
<b>Proper Shipping Name:</b>	Corrosive liquids, N.O.S. (Contains Cyclohexylamine and Potassium Hydroxide)
<b>Hazard Class:</b>	8
<b>UN / NA Number:</b>	1760
<b>Packing Group:</b>	II
<b>Labels Required:</b>	Corrosive
<b>Marine Pollutant:</b>	Not Applicable
<b>I.A.T.A. / I.C.A.O. (Air)</b>	<b>International Air Transportation Authority / International Civil Aviation Organization</b>
<b>Proper Shipping Name:</b>	Corrosive liquids, N.O.S. (Contains Cyclohexylamine and Potassium Hydroxide)
<b>Hazard Class:</b>	8
<b>UN / NA Number:</b>	1760
<b>Packing Group:</b>	II
<b>Labels Required:</b>	Corrosive
<b>Marine Pollutant:</b>	Not Applicable
<b>I.M.D.G. (Sea)</b>	<b>International Maritime Organization</b>
<b>Proper Shipping Name:</b>	Corrosive liquids, N.O.S. (Contains Cyclohexylamine and Potassium Hydroxide)
<b>Hazard Class:</b>	8
<b>UN / NA Number:</b>	1760
<b>Packing Group:</b>	II
<b>Labels Required:</b>	Corrosive
<b>Marine Pollutant:</b>	Not Applicable

## 15. REGULATORY INFORMATION

	<b>U.S. Federal Regulations</b>
<b>CERCLA Act of 1980:</b>	This material does not have a reportable quantity. Follow instructions for clean up and disposal in sections 6 & 13.
<b>TCSA Inventory:</b>	All components of this product are included on the TSCA inventory.
<b>Clean Water Act (CWA):</b>	This material is not listed as a hazardous substance under the Clean Water Act.
<b>Clean Air Act (CAA):</b>	This material is not listed as a hazardous substance under the Clean Air Act.
	<b>Superfund Amendments and Reauthorization Act (SARA) Title III Information</b>
<b>SARA Section 311/312</b>	<b>(40CFR 370) Hazard Categories</b>
<b>Immediate Hazard:</b>	Yes
<b>Delayed Hazard:</b>	No
<b>Fire Hazard:</b>	No

<b>Date created :</b> 08/17/09	<b>Revision date :</b> 10/05/09
	<b>Alphabetical index :</b> OMEGA

# Material Safety Data Sheet

<b>Product :</b>	OMEGA TH-7125	
<b>Product Reference :</b>	67125	<b>Page 7 / 8</b>

**Pressure Hazard:** No  
**Reactivity Hazard:** No

**SARA Section 313 (40CFR 372) Reportable Toxic Chemical(s)**

Component	CAS Number	Maximum %	Carcinogen Status
Cyclohexylamine	108-91-8	5%	Not Applicable


**State Regulations**

Component	CAS Number	Maximum %	State Codes
Cyclohexylamine	108-91-8	5%	CA(3), DE, ID, MA(4,5,6 *E*F6), MN(A), NJ, NY, PA(E), WA, WI(A)
Potassium Hydroxide	13610-58-3	5%	CA(2,3), DE, ID, MA(4,5 F8), NY, PA(E), WA, WI(A)

**International Regulations**  
**Canadian Environmental Protection Act:** All the components of this product are included on the Canadian Domestic Substance List (DSL)

**Canadian (WHMIS) Class** **Workplace Hazardous Materials Information System Description**

**Class E**




Corrosive Materials

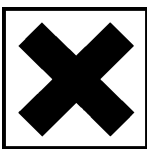
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**European Inventory of Existing Chemicals (EINECS):** All of the components of this product are included on EINECS

**EU Classification:**



C Corrosive



Xn Harmful

**EU Risk(R) and Safety(S) Phrases:**

R35: Causes sever burns  
R41: Risk of serious damage to eyes  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed  
S7: Keep container tightly closed  
S18: Handle and open with care

<b>Date created :</b> 08/17/09	<b>Revision date :</b> 10/05/09
	<b>Alphabetical index :</b> OMEGA

# Material Safety Data Sheet

<b>Product :</b>	OMEGA TH-7125	
<b>Product Reference :</b>	67125	<b>Page 8 / 8</b>

	<p>S38: In case of insufficient ventilation wear suitable respiratory protection</p> <p>S62: If swallowed, do not induce vomiting seek medical advice immediately and show this container or label</p> <p>S63: In case of accident by inhalation remove casualty to fresh air and keep at rest</p> <p>S20/21: When using do not eat, drink or smoke</p> <p>S24/25: Avoid contact with skin and eyes</p> <p>S36/37/39: Wear suitable protective clothing, gloves and eye/face protection</p>
--	---

## 16. OTHER INFORMATION

<b>National Fire Protection Assoc. (NFPA) Ratings:</b>	This information is intended solely for the use of individuals trained in the NFPA System.
<b>Health:</b>	3
<b>Flammability:</b>	0
<b>Reactivity:</b>	0
<b>Hazardous Material Identification System (HMIS) Rating:</b>	This information is intended for the use as a compliance aid for the OSHA Hazard Communication Standard (29CFR 1910.1200).
<b>Health:</b>	3
<b>Flammability:</b>	0
<b>Reactivity:</b>	0
<b>Personal Protection:</b>	D <Face shield & eye protection, Gloves, Apron>
<b>MSDS Preparation Date:</b>	October 5, 2009
<b>MSDS Prepared By:</b>	Pete J. Dolowy II, EHS Coordinator
<b>Disclaimer:</b>	The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of the seller's knowledge. However, seller makes no warranty whatsoever, expresses, implied, or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof. Seller assumes no responsibility for injury or to third persons or for any damage to any property and buyer assumes all such risks.

<b>Date created :</b> 08/17/09	<b>Revision date :</b> 10/05/09
	<b>Alphabetical index :</b> OMEGA