


Material Safety Data Sheet

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1. IDENTIFICATION OF THE SUBSTANCE

Product Name:	OMEGA TH-7129
Product Type and Use:	Industrial Boiler Water Treatment Compound
Supplier Name and Address:	COVENTYA Inc. 4639 Van Epps Road, Brooklyn Heights, OH 44131
Supplier Phone Number:	(216) 351-1500
Emergency Contact Phone Number:	1 (800) 424-9300 CHEMTREC – 24hrs

2. HAZARD IDENTIFICATION

Classification:	Skin corrosion/irritation, Category 1 Serious eye damage/irritation, Category 1
Symbol:	
Signal Word:	Danger, Irritant, Warning
Hazard Statement:	Causes skin burns and eye damage. Causes respiratory and digestive irritation.
Precautionary Statement:	Do not eat, drink, or use tobacco when using this product. Keep container tightly closed. Wear protective gloves and eye/face protection. Wear protective clothing and apron. Avoid release to the environment. Do not breathe mists/vapors. Wash thoroughly after handling.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Identity	CAS#	Max. Conc. (wt %)
Diethylaminoethanol	100-37-8	5%
Sodium Hydroxide	1310-73-2	5%

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4. FIRST AID MEASURES

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

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Water Fog, Dry Chemical, "Alcohol" Foam, and CO ₂
Unsuitable Extinguishing Media:	High flow water jet
Specific Hazards in Case of Fire:	None Known
Protective Equipment / Precautions:	Positive pressure, self-contained respiratory protection and protective clothing should be worn by firefighters in areas where product is stored.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	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.
Environmental Precautions:	Prevent spills from entering storm sewers or drains and contact with soil.
Methods / Materials for Containment and Clean up:	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

Safe Handling Procedures:	Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid breathing mists or vapors.
Safe Storage Procedures w/ Incompatibles:	Keep container tightly closed when not in use. Protect from freezing. Store away from incompatible materials. Do not allow product to enter ground water, natural waterways, or sewer systems. Protect the container from physical damage. Store away from sources of high and open flame or spark.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits					
Component Name	CAS #	TWA		STEL	
		ppm	mg/m3	ppm	mg/m3
Diethylaminoethanol	100-37-8		50		Not Listed
Sodium Hydroxide	1310-73-2		2.0		Not Listed

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Brown to dark brown
Odor:	Amine odor
Relative Density:	1.000 – 1.200 g/ml @ 68° F (20°C)
pH:	11.5 – 13.0
Melting Point:	Not available
Freezing Point:	32° F (0° C)
Initial Boiling Point:	Not available
Flash Point:	Not applicable
Evaporation Rate:	Slower than ether
Flammability (solid, gas):	Not applicable
Explosive Limits:	Not applicable
Vapor Pressure:	Not available
Vapor Density:	Heavier than air
Solubility:	Complete
Partition Coefficient:	Not available
Auto-ignition Temp:	Not available
Decomposition Temp:	Not available

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10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Possibility of Hazardous Reaction:	Will not occur
Conditions to Avoid:	Protect from freezing. Sources of high heat and open flame or spark
Materials to Avoid:	Strong acids, Aluminum, Zinc
Hazardous Decomposition:	Oxides of Carbon

11. TOXICOLOGICAL INFORMATION

Signs / Symptoms of Overexposure:	Burning sensations to the eyes and skin, difficulty breathing, vomiting, nausea, weakness. Can also cause tissue perforation of the digestive system.	
Acute Effects		
Eye Contact:	Severe irritant. Exposure can cause severe irritation and possible burns.	
Skin Contact:	Moderate irritant. Prolonged or repeated exposure may cause severe irritation and possible burns.	
Inhalation:	Unlikely route of exposure. However, inhalation of liquids, or airborne concentrations of vapors or mists may be irritating to the mucous membranes of the respiratory system.	
Ingestions:	Industrial chemicals should never be taken internally. Can cause severe acid burns and perforation of the mucous membranes of the mouth, throat, esophagus, and stomach, if swallowed.	
Chronic Effects:	None known	
Medical Conditions Aggravated by Exp.:	None known	
Acute Toxicity Values		
Oral LD₅₀ (Rat) =	Not Known	
Dermal LD₅₀ (Rabbit) =	Not Known	
Inhalation LC₅₀ (Rat) =	Not Known	

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12. ECOLOGICAL INFORMATION

Persistence and Degradability:	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.	
Bio-Accumulative Potential:	There is no evidence to suggest bioaccumulation will occur.	
Mobility:	Accidental spillage may lead to penetration on the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects	
Ecological Toxicity Values		
LC₅₀ (Fish) =	Not Known	

13. DISPOSAL CONSIDERATIONS

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

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14. TRANSPORT INFORMATION

U.S. DOT (Land)	Department of Transportation
Proper Shipping Name:	Corrosive liquid, basic, inorganic, N.O.S. (Contains Sodium Hydroxide and Diethylaminoethanol)
Hazard Class:	8
UN / NA Number:	3266
Packing Group:	II
Labels Required:	Corrosive
Marine Pollutant:	Not Applicable
I.A.T.A. / I.C.A.O. (Air)	International Air Transportation Authority / International Civil Aviation Organization
Proper Shipping Name:	Corrosive liquid, basic, inorganic, N.O.S. (Contains Sodium Hydroxide and Diethylaminoethanol)
Hazard Class:	8
UN / NA Number:	3266
Packing Group:	II
Labels Required:	Corrosive
Marine Pollutant:	Not Applicable
I.M.D.G. (Sea)	International Maritime Organization
Proper Shipping Name:	Corrosive liquid, basic, inorganic, N.O.S. (Contains Sodium Hydroxide and Diethylaminoethanol)
Hazard Class:	8
UN / NA Number:	3266
Packing Group:	II
Labels Required:	Corrosive
Marine Pollutant:	Not Applicable



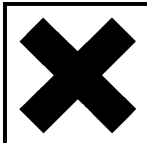
15. REGULATORY INFORMATION

	U.S. Federal Regulations
CERCLA Act of 1980:	This material does not have a reportable quantity. Follow instructions for clean up and disposal in sections 6 & 13.
TCSA Inventory:	All components of this product are included on the TSCA inventory.
Clean Water Act (CWA):	This material is not listed as a hazardous substance under the Clean Water Act.
Clean Air Act (CAA):	This material is not listed as a hazardous substance under the Clean Air Act.
	Superfund Amendments and Reauthorization Act (SARA) Title III Information
SARA Section 311/312	(40CFR 370) Hazard Categories
Immediate Hazard:	Yes

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Delayed Hazard:	No		
Fire Hazard:	No		
Pressure Hazard:	No		
Reactivity Hazard:	Yes		
SARA Section 313	(40CFR 372) Reportable Toxic Chemical(s)		
Component	CAS Number	Maximum %	Carcinogen Status
Not Applicable			
	State Regulations		
Component	CAS Number	Maximum %	State Codes
Diethylaminoethanol	100-37-8	5%	CA(3), ID, MA(2,4,6), MN(AO), PA, WA, WI(A)
Sodium Hydroxide	1310-73-2	5%	CA(3), DE, ID, MA(2,4,5 F8 F9), 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	 <p style="text-align: center;">Corrosive Material</p> <p>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.</p>		
European Inventory of Existing Chemicals (EINECS):	All of the components of this product are included on EINECS		
EU Classification:	 <p style="text-align: center;">C Corrosive</p>	 <p style="text-align: center;">Xn Harmful</p>	
EU Risk(R) and Safety(S) Phrases:	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 S14: Keep away from alkalis (bases) and cyanide based materials		

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	<p>S18: Handle and open with care</p> <p>S56: Dispose of this material and its container at hazardous or special waste collection point</p> <p>S57: Use appropriate containment to avoid environmental contamination</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>
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16. OTHER INFORMATION

National Fire Protection Assoc. (NFPA) Ratings:	This information is intended solely for the use of individuals trained in the NFPA System.
Health:	3
Flammability:	0
Reactivity:	0
Hazardous Material Identification System (HMIS) Rating:	This information is intended for the use as a compliance aid for the OSHA Hazard Communication Standard (29CFR 1910.1200).
Health:	3
Flammability:	0
Reactivity:	0
Personal Protection:	D <Face shield & eye protection, Gloves, & Apron>
MSDS Preparation Date:	October 5, 2009
MSDS Prepared By:	Pete J. Dolowy II, EHS Coordinator
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