

Revision : Apr-27-2015

CETAMINE V 217 Distributed by  **Walter Louis
FLUID TECHNOLOGIES** 530 S. 5th St, Quincy, IL 62301
217-223-2017 www.WalterLouis.com **#89-L** Boiler Compound

1 IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product Name: CETAMINE V 217 (Walter Louis #89-L Boiler Compound)
 Product Use: Corrosion inhibitor for boiler system

Manufacturer: Kurita America, Inc.
 16850 Diana Lane, Suite B 104, Houston, Texas 77058

Contact: Chemical Group
 Phone: 281-998-3900
 FAX: 281-998-3903
 Emergency Telephone: CHEMTREC (Health/ Transport/ Regulatory)
 1-800-424-9300
 1-800-424-8802

2 HAZARDS IDENTIFICATION

Classification: Corrosive liquid, Hazardous mixture

Physical Hazard

Explosives:	Not applicable
Flammable gases:	Not applicable
Flammable aerosols:	Not applicable
Oxidizing gases:	Not applicable
Gases under pressure:	Not applicable
Flammable liquids:	Not applicable
Flammable solids:	Not applicable
Self-reactive substances:	Not applicable
Pyrophoric liquids:	Not classified
Pyrophoric solids:	Not applicable
Self-heating substances:	Not classified
Substances which in contact with water emit	
flammable gasses:	Not applicable
Oxidizing liquids:	Not applicable
Oxidizing solids:	Not applicable
Organic peroxides:	Not applicable
Corrosive to metals:	Not classified

Health Hazard

Acute toxicity	
Oral:	Category 4
Dermal:	Category 4
Gases:	Not applicable
Vapors:	Category 4
Dust & mists:	Classification not possible
Skin corrosion/irritation:	Category 1A

CETAMINE V 217

Serious eye damage/eye irritation:	Category 1
Respiratory sensitization:	Classification not possible
Skin sensitization:	Classification not possible
Germ cell mutagenicity:	Classification not possible
Carcinogenicity:	Classification not possible
Reproductive toxicology:	Category 2
Target organ systemic toxicity - Single exposure:	Category 1
Target organ systemic toxicity - Repeated exposure:	Category 1
Aspiration toxicity:	Classification not possible
Environmental Hazard	
Acute aquatic toxicity:	Category 2
Chronic aquatic toxicity:	Category 2

Signal word: Danger

Hazard statements:

- Flammable liquid and vapour
- Toxic if swallowed
- Toxic if inhaled
- Toxic if contact with skin
- Causes severe skin burns and eye damage
- Causes serious eye damage
- May cause genetic defects
- Suspected of damaging fertility or the unborn child
- Causes damage to organs
- Harmful to aquatic life



Precautionary statements:

- Keep container closed.
- Keep away from heat, sparks and flame - No Smoking.
- Wear suitable protective clothing, gloves, and eye/face protection.
- Do not breathe dust, vapor, or spray mist.
- When using do not smoke, eat, or drink.
- Wash thoroughly after handling.

3	COMPOSITION / INFORMATION ON INGREDIENTS
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Chemical Name	CAS No.	Weight %
2-diethylaminoethanol	100-37-8	2.5 - 10
Cyclohexylamine	108-91-8	2.5 - 10

CETAMINE V 217

(Z)-N-9-octadec-9-enylamine

112-90-3

< 2.5

4 FIRST-AID MEASURES

Inhalation : In case of accident by inhalation, remove casualty to fresh air and keep at rest. Get medical attention immediately.

Skin contact: Strong alkaline and corrosive to skin.
Wash the contaminated area immediately with plenty of water.
Take off immediately all contaminated clothing and wash immediately with plenty of water.
If irritation persists, get medical attention.

Eye contact: Corrosive to eyes and may cause blindness and vision loss.
Immediately flush eyes for at least 15min. Get medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting.

5 FIRE-FIGHTING MEASURES

Fire-fighting procedures: The product itself is not combustible. Extinguishing material should be selected according to the surrounding area.

Extinguishing media: Use water, extinguishing powder, or CO2.

6 ACCIDENTAL RELEASE MEASURES

Measures for leakage: Collect leaking and spilled liquid in sealable containers, then wash away with plenty of water.

7 HANDLING AND STORAGE

Precautions for safe handling: Wear mask, goggles, long-sleeved cloth and rubber gloves, and avoid direct contact or inhalation.
Do not mix with acids.

Conditions for safe storage: Avoid direct sunlight, keep in a dark, cool, and ventilated place.
Keep container tightly closed.

8 EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure limits:	2-Diethylaminoethanol	Cyclohexylamine
	OSHA	OSHA
	10ppm (50 mg/m3) skin	-
	NIOSH	NIOSH
	10ppm (50 mg/m3) skin	10ppm (40 mg/m3)

Engineering controls: Keep the workplace well ventilated

Personal protective equipment

CETAMINE V 217

Respiratory protection: Wear mask.
Skin protection: Wear PVC or synthetic rubber made gloves.
Wear long-sleeved cloth.
Eye protection: Wear goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish
Physical state: Liquid
Specific gravity: ca. 0.98 g/cm³ (20 dC)
Solubility: Fully miscible
Odor: Aminic
Freezing point: < 0 dC
Flash Point: 64 dC
pH: ca. 11.9 (20dC)

10 STABILITY AND REACTIVITY

Stability:
Possibility of hazardous reactions:
Hazardous decomposition
products:

11 TOXICOLOGICAL INFORMATION

Acute toxicity
LD (50) oral/ATEmix: > 2,000mg/kg (calculated)
LD (50) dermal/ATEmix: > 2,000mg/kg (calculated)
LC (50) inhaled/ATEmix: > 20mg/L , 4hrs (calculated)

12 ECOLOGICAL INFORMATION

Aquatic Toxicity
EC50 (algae) 4 - 40 mg/L (calculated)
EC50 (daphnia magna) 4 - 40 mg/L (calculated)
LC50, 96h (golden orfey) 4.4 mg/L (calculated)

13 DISPOSAL CONSIDERATIONS

Dispose of this material and its container to a licensed waste agency.
Do not allow into any sewer on the ground, or into any body of water.

14 TRANSPORT INFORMATION

UN number and Class UN 2735, Class 8

CETAMINE V 217

UN proper Shipping Name 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (2-DIETHYLAMINO-ETHANOL, CYCLOHEXYLAMINE)

15 REGULATORY INFORMATION

All components of this product are included on the TSCA inventory.

16 OTHER INFORMATION

The information contained herein is, to the best of our knowledge and belief, accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in this use of the material.