

MATERIAL SAFETY DATA SHEET



CONDEN-SAF 2600

HMIS		NFPA	Personal protective equipment		
Health	3	3			
Fire Hazard	0	0			
Reactivity	0	0			

Version Number: 3

Preparation date: 2008-11-26

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CONDEN-SAF 2600
 MSDS #: MS0127242
 Product Code: 00639010, 00639100, 00639150
 Recommended use: Condensate line corrosion inhibitor . This product is intended to be diluted prior to use.

Manufacturer, importer, supplier:
 DuBois Chemicals, Inc. Canadian Headquarters
 3630 E. Kemper Rd. DuBois Chemicals Canada, Inc.
 Cincinnati, OH 45241 3450 Ridgeway Drive, Unit 2
 Phone: 1-800-438-2647 Mississauga, Ontario L5L 0A2
 Phone: 1-866-861-3603

Emergency telephone number: 1-866-923-4919 (US and Canada); 01-651-523-0314 (Int'l and México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
 DANGER, CORROSIVE. CAUSES SKIN AND EYE BURNS. HARMFUL OR FATAL IF SWALLOWED.

Principle routes of exposure: Eye contact. Skin contact. Inhalation.
 Eye contact: Corrosive. Causes permanent eye damage, including blindness.
 Skin contact: Corrosive. Causes permanent damage.
 Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
 Ingestion: Corrosive. Causes burns to mouth, throat and stomach.

3. COMPOSITION INFORMATION ON INGREDIENTS

Hazardous ingredients	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Diethylaminoethanol	100-37-8	20 - 30%	1300	=1260 mg/kg	Not available

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for at least 15-20 minutes, keeping eyelids open. Get medical attention immediately.
 Skin contact: Flush immediately with plenty of water for at least 15-20 minutes. Get medical attention immediately.
 Inhalation: If breathing is affected, remove to fresh air. Get medical attention immediately.
 Ingestion: If swallowed, rinse mouth. Give a cupful of water or milk . THEN IMMEDIATELY CONTACT A PHYSICIAN OR POISON CENTER. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
 Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
 Specific hazards: Not applicable
 Unusual hazards: None known
 Specific methods: No special methods required

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
 Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:
Environmental precautions
and clean-up methods:**

Contaminated surfaces will be extremely slippery. Use personal protective equipment.
Clean-up methods - large spillage. Prevent product from entering drains. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. **FOR COMMERCIAL AND INDUSTRIAL USE ONLY.**

Storage:

Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. **KEEP OUT OF REACH OF CHILDREN.**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Eye protection:

Chemical-splash goggles.

Hand protection:

Chemical-resistant gloves

Skin and body protection:

Protective footwear. If major exposure is possible, wear suitable protective clothing and footwear.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Diethylaminoethanol	100-37-8	2 ppm (TWA)	Skin 10 ppm (TWA) 50 mg/m ³ (TWA)	10 ppm (TWA) 50 mg/m ³ (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Bulk density:	No information available
pH:	12.4	Dilution pH:	10.4 (1%)
Appearance:	Liquid	Vapor density:	No information available
Color:	Light Yellow	Evaporation Rate	No information available
Odor:	Ammonia	Boiling point/range:	Not determined
Specific gravity:	0.97	Melting point/range:	Not determined
Density:	8.1 lbs/gal	Decomposition temperature:	Not determined
VOC:	20% *	Autoignition temperature:	No information available
Flash point:	>200°F >93.3°C	Partition coefficient (n-octanol/water):	No information available
Solubility:	completely soluble	Solubility in other solvents:	No information available
Viscosity:	No information available	Elemental Phosphorus:	0 %P

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability:	Stable.
Polymerization:	Hazardous polymerization does not occur
Hazardous decomposition products:	None reasonably foreseeable.
Materials to avoid:	Oxidising agents. Acids.
Conditions to avoid:	Do not freeze.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Oral LD50 estimated to be between 4000 - 5000 mg/kg . Dermal LD50 estimated to be > 2000 mg/kg. Corrosive.
Component information:	See Section 3
Chronic toxicity:	None known
Specific effects	
Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	None known

12. TOXICOLOGICAL INFORMATION

Target organ effects: None known

13. ECOLOGICAL INFORMATION

Environmental Information: No data available

14. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local applicable regulations.

RCRA Hazard Class: D002

15. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

16. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), Japan (ENCS), Philippines (PICCS), New Zealand (NZIoC), China (IECSC).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Diethylaminoethanol	100-37-8	X	X	X	X
Water	7732-18-5	-	-	-	-

CERCLA/ SARA

None

CAA HAP/CAA ODS/CWA Priority Pollutants: None

SARA 311/312 Hazard Categories

Immediate: X
 Delayed: -
 Fire: -
 Reactivity: -
 Sudden Release of Pressure: -

Canada

WHMIS hazard class: E Corrosive material.



17. OTHER INFORMATION

Reason for revision: Not applicable
 Prepared by: NAPRAC
 Additional advice: None

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