Material Safety Data Sheet



MSDS# 15-4436

Section 1. Chemical Product and Company Identification

Product name ETHOMEEN® C/25

Material Uses : Surfactant. In Case of Emergency

AKZO NOBEL SURFACE CHEMISTRY LLC Supplier/

Manufacturer 525 West Van Buren Chicago, IL 60607-3823

> AKZO NOBEL CHEMICALS LTD. 1 City Centre Drive, Suite 318 Mississauga, Ontario L5B 1M2

Canada

CHEMTREC: 800-424-9300 CANUTEC: 613-996-6666 Medical/Handling: 914-693-6946 Product/Technical: 800-906-9977

Section 2. Composition, Information on Ingredients

CAS# % by Weight Name Amines, coco alkyl, ethoxylated 61791-14-8 98-100 Amines, coco alkyl 61788-46-3 0.001 - 2Poly(oxy-1,2-ethanediyl), a-hydroxy-w-hydroxy-0.001 - 225322-68-3

Section 3. Hazards Identification

Physical State Liquid. Color Amber. Odor Amine like.

DANGER! **Emergency Overview**

CAUSES EYE BURNS.

CAUSES SEVERE SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.

Do not get in eyes. Do not ingest. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Possible Carcinogenic

Effects

Amines, coco alkyl, ethoxylated: IARC, NTP, OSHA, ACGIH: Not listed.

Amines, coco alkyl: IARC, NTP, OSHA, ACGIH: Not listed.

Poly(oxy-1,2-ethanediyl), a-hydroxy-w-hydroxy-: IARC, NTP, OSHA, ACGIH: Not listed.

Routes of Entry Absorbed through skin. Dermal contact. Eye contact.

See Toxicological Information (section 11)

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of

water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing

> contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse.

Thoroughly clean shoes before reuse. Get medical attention immediately.

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Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Get medical attention.

Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by

mouth to an unconscious person. If large quantities of this material are swallowed, call a physician

immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Medical Conditions Aggravated by

Overexposure

Repeated or prolonged exposure is not known to aggravate medical condition.

Section 5. Fire Fighting Measures

Flammability of the

Product

May be combustible at high temperature.

Auto-ignition Temperature The lowest known value is >150°C (302°F) (Poly(oxy-1,2-ethanediyl), a-hydroxy-w-hydroxy-).

Flash Points Closed cup: >100°C (212°F).

Products of Combustion These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

Fire Fighting Media and Instructions

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Protective Clothing (Fire) Be sure to use an approved/certified respirator or equivalent.

Section 6. Accidental Release Measures

Small Spill and Leak

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste

disposal container. If necessary: **Use suitable protective equipment (Section 8).** Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority

requirements.

Large Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal. Use suitable

protective equipment (Section 8). Finish cleaning by spreading water on the contaminated surface

and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Handling Do not ingest. Avoid breathing vapors or spray mists. Avoid contact with skin and clothing. Do not get

in eyes. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of

vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety

showers are proximal to the work-station location.

Personal Protection

Eyes Splash goggles.

Body Lab coat.

Respiratory Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Feet Not applicable.

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Protective Clothing (Pictograms)



Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Ingredient Name

Exposure Limits United States

Amines, coco alkyl, ethoxylated Amines, coco alkyl Poly(oxy-1,2-ethanediyl), a-hydroxy-w-hydroxyNot available. Not available. Not available.

Section 9. Physical and Chemical Properties

Physical State Liquid. Amber. Color Odor Amine like.

Molecular Weight Not applicable. **Molecular Formula** Not applicable. pН 11 [Basic.] >300°C (572°F)

Boiling/Condensation

Melting/Freezing Point -6°C (21.2°F)

-2°C **Cloud Point** -4°C **Pour Point**

1.038 g/cm³ (25°C / 77°F) **Density**

Vapor Pressure <0.01 kPa (<0.1 mmHg) (at 20°C)

The highest known value is >10 (Air = 1) (Poly(oxy-1,2-ethanediyl), a-hydroxy-w-hydroxy-). **Vapor Density**

Evaporation Rate Weighted average: 0.89compared to Butyl acetate.

Solubility Partially soluble in cold water.

Dispersion Properties See solubility in water. Viscosity = 180cp @ 25°C.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility with **Various Substances** Reactive with OXIDIZING AGENTS, acids.

Hazardous Will not occur. **Polymerization**

Section 11. Toxicological Information

Toxicity to Animals

Ingredient Name or Product Result **Route Species Test**

name

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LD50	750 mg/kg	Oral	Rat
LD50	1300 mg/kg	Oral	Rat
LD50	>2000 mg/kg	Dermal	Rabbit
LD50	28000 mg/kg	Oral	Rat
LD50	31000 mg/kg	Oral	Mouse
LD50	14000 mg/kg	Oral	Rabbit
LD50	>20000 mg/kg	Dermal	Rabbit
	LD50 LD50 LD50 LD50 LD50	LD50 1300 mg/kg LD50 >2000 mg/kg LD50 28000 mg/kg LD50 31000 mg/kg LD50 14000 mg/kg	LD50 1300 mg/kg Oral LD50 >2000 mg/kg Dermal LD50 28000 mg/kg Oral LD50 31000 mg/kg Oral LD50 14000 mg/kg Oral

Special Remarks on

Amines, coco alkyl: INHALATION LC50 > 0.099 mg/L, 1 hour(s) Rat

Toxicity to Animals

Acute Effects Skin Severely irritating to the skin. Practically non-toxic in contact with skin.

Acute Effects Eyes Corrosive to the eyes.

Special Remarks on Other Toxic Effects on

Humans

Section 12. Ecological Information

Ecotoxicity Ingredient Name or Product name	Species	Period	Result
ETHOMEEN® C/25	daphnia based on data for: (similar material) (EC50)	48 hour(s)	12 mg/l
	Zebrafish based on data for: (similar material) (LC50)	96 hour(s)	4.31 mg/l
	Bluegill. based on data for: (similar material) (LC50)	96 hour(s)	19.6 mg/l
Amines, coco alkyl	daphnia based on data for: (similar material) (EC50)	48 hour(s)	0.032 mg/l
Poly(oxy-1,2-ethanediyl),	Daphnia (EC50)	48 hour(s)	>10000 mg/l
a-hydroxy-w-hydroxy-	Fish (LC50)	24 hour(s)	>5000 mg/l

Biodegradability and 45% @ 28 day(s); 50% @ 42 day(s) CBT based on data for: (similar material)

Ecotoxicity Remarks

Biodegradable/OECD Inherently biodegradable.

Products of Degradation These products are carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂...).

Section 13. Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

Section 14. Transport Information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-

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			-			
IATA-DGR Class	Not regulated.	-	-	-		-
			-			

Section 15. Regulatory Information

HCS Classification Corrosive Material

U.S. Federal Regulations TSCA: All intentionally present components are listed on the TSCA inventory.

DSL: All intentionally present components are listed on the DSL.

CERCLA: Hazardous substances.: No products were found.

SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: ETHOMEEN® C/25

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: ETHOMEEN® C/25:

Immediate (Acute) Health Hazard

SARA 313 Form R Reporting Requirements

No products were found.

SARA 313 Supplier Notification

No products were found.

State Regulations No products were found.

California prop. 65: No products were found.

WHMIS (Canada) Class D-2B: Material causing other toxic effects (TOXIC).

CEPA DSL: Amines, coco alkyl, ethoxylated; Amines, coco alkyl; Poly(oxy-1,2-ethanediyl),

a-hydroxy-w-hydroxy-

Component European UnionComponent

EC Number

EC Status

EC Annex

Not available.

Not available.

Not available.

Amines, coco alkyl, ethoxylated Not available. Not available. Not available. Amines, coco alkyl 262-977-1 Not available. Not available. Not available. Not available. Not available.

a-hydroxy-w-hydroxy-

Other International Lists Australia (NICNAS): Amines, coco alkyl, ethoxylated; Amines, coco alkyl; Poly(oxy-1,2-ethanediyl),

a-hydroxy-w-hydroxy-

China: Amines, coco alkyl, ethoxylated

Germany water class: Amines, coco alkyl, ethoxylated

Japan (MITI): Amines, coco alkyl; Poly(oxy-1,2-ethanediyl), a-hydroxy-w-hydroxy-

Korea (TCCL): Amines, coco alkyl, ethoxylated; Amines, coco alkyl; Poly(oxy-1,2-ethanediyl), a-hydroxy-w-hydroxy-

Philippines (RA6969): Amines, coco alkyl, ethoxylated; Amines, coco alkyl; Poly(oxy-1,2-ethanediyl),

a-hydroxy-w-hydroxy-

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Section 16. Other Information

Hazardous Material Information System (U.S.A.)



National Fire Protection Association (U.S.A.)



Other Information Ethomeen® is a registered trademark of Akzo Nobel or affiliated companies and is registered in one or more countries including the United States.

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