

Material Safety Data Sheet

MSDS# 15-01653

Section 1. Chemical Product and Company Identification

Product name	REDICOTE® E-7000	
Material Uses	: Asphalt Additive.	In Case of Emergency
Supplier/Manufacturer	AKZO NOBEL SURFACE CHEMISTRY LLC 525 West Van Buren Chicago, IL 60607-3823	CHEMTREC: 800-424-9300 CANUTEC: 613-996-6666 Medical/Handling: 914-693-6946 Product/Technical: 800-906-9977

Do not ship to Canada.**Section 2. Composition, Information on Ingredients**

Name	CAS #	% by Weight
proprietary alkyl amines Salt.	proprietary	30
Water	7732-18-5	54
Sodium chloride	7647-14-5	7
proprietary Acid.	proprietary	5
proprietary Amine.	proprietary	4

Section 3. Hazards Identification

Physical State	Liquid.
Color	Clear. Yellow.
Emergency Overview	WARNING! CAUSES SEVERE SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. Avoid contact with eyes, skin and clothing. Do not ingest. Wash thoroughly after handling.
Possible Carcinogenic Effects	proprietary alkyl amines Salt.: IARC, NTP, OSHA, ACGIH: Not listed. Water: IARC, NTP, OSHA, ACGIH: Not listed. Sodium chloride: IARC, NTP, OSHA, ACGIH: Not listed. proprietary Acid.: IARC, NTP, OSHA, ACGIH: Not listed. proprietary Amine.: IARC, NTP, OSHA, ACGIH: Not listed.
Routes of Entry	Absorbed through skin. 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.
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.
Flash Points	Closed cup: >100°C (212°F). (Pensky-Martens.)
Products of Combustion	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...), halogenated compounds, hydrogen chloride. Some metallic oxides.
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	Avoid contact with eyes, skin and clothing. Do not ingest. 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.

**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

proprietary alkyl amines Salt.
Water
Sodium chloride
proprietary Acid.
proprietary Amine.

Exposure Limits United States

Not available.
Not available.
Not available.
Not available.
Not available.

Section 9. Physical and Chemical Properties

Physical State	Liquid.
Color	Clear. Yellow.
Molecular Weight	Not applicable.
Molecular Formula	Not applicable.
pH	Basic.
Boiling/Condensation Point	Weighted average: 113.79°C (236.8°F)
Melting/Freezing Point	Weighted average: 0.39°C (32.7°F)
Pour Point	-7°C
Density	1.07 g/cm ³ (20°C / 68°F)
Vapor Pressure	Weighted average: 2.14 kPa (16.05 mmHg) (at 20°C)
Evaporation Rate	Weighted average: 0.4 compared to Butyl acetate.
Solubility	Easily soluble in cold water, hot water, methanol, acetone.
Dispersion Properties	
Physical Chemical Comments	Viscosity = 45 mPas (cP) @ 10°C; 31 mPas (cP) @ 20°C; 26 mPas (cP) @ 30°C; 24 mPas (cP) @ 40°C.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility with Various Substances	Slightly reactive to reactive with oxidizing agents, acids.
Hazardous Decomposition Products	These products are halogenated compounds, hydrogen chloride.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information**Toxicity to Animals**

Ingredient Name or Product name	Test	Result	Route	Species
proprietary Acid.	LD50	1950 mg/kg	Oral	Rat
	LD50	1920 mg/kg	Oral	Guinea pig
proprietary Amine.	LD50	945 mg/kg	Oral	Rat based on data for: (similar material)

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Special Remarks on Toxicity to Animals **proprietary Amine.:** Sub-Chronic oral toxicity (LD50) NOEL = 670 ppm Rat based on data for: (similar material)

Chronic Effects on Humans **CARCINOGENIC EFFECTS:** Classified None. by NIOSH [Sodium chloride]. Classified None. by NIOSH [proprietary Acid.].

Acute Effects Skin Severely irritating to the skin.

Acute Effects Eyes Moderately irritating to the eyes.

Special Remarks on Other Toxic Effects on Humans :
proprietary Amine.: Skin and Eyes based on data for: (similar material)

Section 12. Ecological Information

Ecotoxicity

Ingredient Name or Product name	Species	Period	Result
proprietary Amine.	Zebrafish based on data for: (similar material) (LC50)	96 hours	0.1 mg/l

Biodegradability and Ecotoxicity Remarks **proprietary Amine.:** 62% @ 28 day(s) CBT based on data for: (similar material)

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

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

Section 15. Regulatory Information

HCS Classification Irritating material

U.S. Federal Regulations TSCA: All intentionally present components are listed on the TSCA inventory.
 DSL: One or more of the intentionally present components in this material is not 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: REDICOTE® E-7000
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: REDICOTE® E-7000:
 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: Water; Sodium chloride; proprietary Acid.; proprietary Amine.

European Union	Component	EC Number	EC Status	EC Annex
	proprietary alkyl amines Salt.	proprietary	proprietary	proprietary
	Water	231-791-2	Not available.	Not available.
	Sodium chloride	231-598-3	Not available.	Not available.
	proprietary Acid.	proprietary	proprietary	proprietary
	proprietary Amine.	proprietary	proprietary	proprietary

Other International Lists Australia (NICNAS): Water; Sodium chloride; proprietary Acid.
 Germany water class: Sodium chloride
 Japan (MITI): Sodium chloride; proprietary Acid.
 Japan (MOL): proprietary Acid.
 Korea (TCCL): Water; Sodium chloride; proprietary Acid.
 Philippines (RA6969): Water; Sodium chloride; proprietary Acid.

Section 16. Other Information

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

Health	2
Fire Hazard	1
Reactivity	0
Personal Protection	

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



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

Validation Date 1/4/2005.

Validated by

Elitania Perez

Previous Validation Date No Previous Validation.

Print Date

1/4/2005.

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Phone Number**312-544-7038*****Notice to Reader***

The information in the material safety data sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable as of the date of publication. However, no warranty is made as to the accuracy of and/or sufficiency of such information and/or suggestions or as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. The information contained herein supersedes all previously issued bulletins on the subject matter covered. If the date on this document is more than three years old, call to make certain that this sheet is current.