

PENRAY COMPANY INC -- NALCOOL 2000 COOLING SYSTEM TREATMENT -- 6850-01-086-3438

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Product Identification  
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Product ID:NALCOOL 2000 COOLING SYSTEM TREATMENT

MSDS Date:07/08/1992

FSC:6850

NIIN:01-086-3438

MSDS Number: BSBCT

=== Responsible Party ===

Company Name:PENRAY COMPANY INC

Address:440 DENNISTON CT

City:WHEELING

State:IL

ZIP:60090

Country:US

Info Phone Num:708-459-5000/800-942-5969

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mergency Phone Num:708-459-5000/800-942-5969

Preparer's Name:P.A.ZOUBEK

CAGE:0WT79

=== Contractor Identification ===

Company Name:CUMMINS ATLANTIC INC

Address:3900 DEEPWATER TERMINAL RD

Box:City:RICHMOND

State:VA

ZIP:23234-2225

Country:US

Phone:804-232-7891

CAGE:1F124

Company Name:PENRAY COMPANY INC

Address:440 DENNISTON CT

Box:City:WHEELING

State:IL

ZIP:60090

Country:US

Phone:847-459-5000/ 800-752-7869

CAGE:0WT79

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Composition/Information on Ingredients  
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Ingred Name

:SODIUM TETRABORATE, ANHYDROUS  
CAS:1330-43-4  
RTECS #:VZ2240000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:10 MG/M3  
ACGIH TLV:1 MG/M3; 9293

Ingred Name:SODIUM MERCAPTOBENZOTHIAZOLE  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM NITRITE (SARA III)  
CAS:7632-00-0  
RTECS #:RA1225000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:SODIUM NITRATE  
CAS:7631-99-4  
RTECS #:WC5600000  
Fraction by Wt: 5%  
Oth  
er REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM SILICATE  
CAS:1344-09-8  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and  
Chronic:AYAS:IRRITATION.SKIN:IRRITATION.PRODUCT IS DERMALLY  
ABSORBED.INGEST: MAY CAUSE KIDNEY DAMAGE.CHRONIC EXPOSURE MAY CAUSE  
REPRODUCTIVE EFFECTS(FROM SODI

UM NITRITE).

Explanation of Carcinogenicity: THERE ARE NO INGREDIENTS ABOVE 0.1% WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP, IARC OR OSHA.

Effects of Overexposure: EYES: REDNESS, BLURRED VISION, TEARING, PAIN. SKIN: REDNESS, DRYING, CRACKING. INHAL: DIZZINESS, HEADACHE

... UNCONSCIOUSNESS, ASPHYXIATION. INGEST: NAUSEA, CRAMPS, VOMITING.

Medical Cond Aggravated by Exposure: PREGNANT WOMEN MAY BE SENSITIVE TO SODIUM NITRITE.

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===== First Aid Measures =====

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First Aid: EYES: FLUSH WITH CLEAR WATER FOR 15 MINUTES, WHILE LIFTING LIDS. GET PROMPT MEDICAL ATTENTION. SKIN: SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. INGEST: IF CONSCIOUS GIVE WATER AND INDUCE VOMITING. CALL POISON CONTROL CENTER FOR INSTRUCTIONS.

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===== Fire Fighting Measures =====

Flash Point: NONE

Extinguishing Media: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard: FIRE CONDITIONS MAY EVOLVE OXIDES OF NITROGEN. FIRE EXPOSED CONTAINERS MAY EXPLODE FROM PRESSURE BUILD UP.

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===== Accidental Release Measures =====

Spill Release Procedures: SOAK UP WITH AN INERT ADSORBENT (EG. CLAY); PLACE COLLECTED MATERIAL IN AN APPROPRIATE CONTAINER FOR DISPOSAL; CLEAN SPILL AREA TO REMOVE SLIPPERINESS. DIKE LARGER SPILLS FOR LATER REMOVAL.

Neutralizing Agent: NONE

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===== Handling and Storage =====

Handling and Storage Precautions: STORE IN TIGHTLY CLOSED DRUMS; KEEP AWAY FROM MINERAL ACIDS.

Other Precautions: KEEP IN PROPERLY LABELED DRUMS.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection: ORGANIC VAPOR AIR-PURIFYING RESPIRATOR.

Ven

tilation:LOCAL VENTILATION AT THE WORKSITE;MECHANICAL(GENERAL)  
VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves:NATURAL RUBBER,LATEX

Eye Protection:SAFETY GLASSES,SPLASH GOGGLES,FACE SHIEL

Other Protective Equipment:IMPERVIOUS APRON

Work Hygienic Practices:WASH HANDS.SEPERATE WORK CLOTHES FROM STREET  
CLOTHES.LAUNDER WORK CLOTHES BEFORE REUSE.KEEP FOOD OUT OF THE WORK  
AREA.

Supplemental Safety and Health  
NONE

===== Physical/Chemical Properties =====

HCC

:B3

Boiling Pt:B.P. Text:212F,100C

Vapor Density:9.7

Spec Gravity:1.16

pH:11.5

Solubility in Water:COMPLETE

Appearance and Odor:LIQUID;RED;NO ODOR

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS(EG.SULFURIC,PHOSPHORIC AND NITRIC ACIDS)

Stability Condition to Avoid:HIGH TEMPERATURE

Hazardous Decomposition Products:CARBON MONOXIDE,CARBON DIOXIDE AND  
OXIDES OF NITROGEN.

===== Disposal Considerations =====

Waste Disposal Methods:CONSIDERED RCRA HAZARDOUS  
WASTE(40CFR261).DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND  
LOCAL REGULATION.ITEM MAY BE DISPOSED OF AS NON-HAZARDOUS WASTE BY  
SOLIDIFYING WITH SAND OR FLY ASH.

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