

SUPER-X COOLING SYSTEM QUICK FLUSH - 271

MSDS Number: 271

Revision Date: 11/7/2011

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PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

The Penray Companies, Inc.
440 Denniston Ct.
Wheeling, IL 60090

Contact: EH&S
Phone: 847-459-5000
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Product Name: SUPER-X COOLING SYSTEM QUICK FLUSH - 271
Revision Date: 11/7/2011
Version: 2
MSDS Number: 271
Common Name: AQUEOUS SOLUTION OF ISOPROPANOL & ETHOXYLATED ALCOHOLS

EMERGENCY PHONE NUMBER (800) 752-7869

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HAZARDS IDENTIFICATION

Route of Entry: Skin absorption and inhalation

Target Organs: Lungs, kidneys, liver and nervous system.

Inhalation: Respiratory irritation and dizziness

Skin Contact: Prolonged contact with skin can cause irritation. Repeated skin contact may cause persistent irritation and dermatitis

Eye Contact: Will cause severe irritation redness ,tearing and blurred vision on contact

Ingestion: Product may be harmful if swallowed and may cause nausea,vomiting and diarrhea.

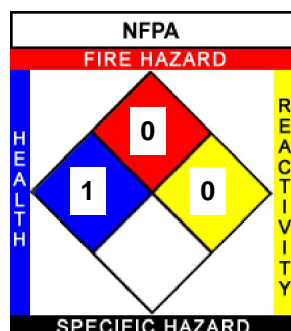
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NFPA: Health = 1, Fire = 0, Reactivity = 0



CARCINOGENICITY: Product is not considered a carcinogen by OSHA, NTP or IARC.

MEDICAL CONDITIONS: Pre-existing eye or skin conditions may be aggravated by over-exposure to this product.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

INGREDIENT	CAS NUMBER	PERCENT WEIGHT
ISOPROPANOL	67-63-0	10-30%
ETHOXYLATED ALCOHOLS	68131-39-5	1-5%
TETRAPOTASSIUM PYROPHOSPHATE	7320-34-5	1-5%
XYLENE	1330-20-7	0.1-1%

4 FIRST AID MEASURES

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention. Inhalation hazard unlikely due to low volatility of product.
- Skin Contact:** Wash area with soap and water. seek medical attention if irritation persists
- Eye Contact:** Immediately flush eyes with plenty of water for 15 minutes. Seek medical attention.
- Ingestion:** DO NOT induce vomiting. Only give CONSCIOUS victim two glasses of water and seek medical attention. Seek Medical Attention.

5 FIRE FIGHTING MEASURES

- Flash Point:** NG
- Flash Point Method:** TCC

EXTINGUISHING MEDIA: Carbon Dioxide (CO2) Dry Chemical, Foam.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and can collect in low areas

FIRE FIGHTING INSTRUCTIONS: Containers can build up pressure if exposed to fire. Containers should be cooled with water supply.

FIRE FIGHTING EQUIPMENT: Self- contained breathing apparatus with full face piece operated in positive pressure mode.

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6 ACCIDENTAL RELEASE MEASURES

SPILL/LEAK PROCEDURES: Notify safety personnel ,evacuate all unnecessary personnel and provide adequate ventilation. If feasible, and without risk, clean-up personnel should stop leak. All clean up personnel should wear proper personal protective equipment.
SMALL SPILLS: Clean with inert absorbent and place in recovery drums for disposal.
LARGE SPILLS: Dike to prevent further migration of material. DO NOT release into waterways or sewers. Follow applicable federal and state regulations.

7 HANDLING AND STORAGE

Handling Precautions: Wash thoroughly after handling. Do not get into eyes, on skin or on clothing.. Do not smoke while using this product. Do not use near excessive heat, sparks, or open flame.

Storage Requirements: Store in clean, dry locations away from excessive heat.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Eye wash station and safety shower.

Strong general ventilation or local exhaust.

Personal Protective Equip:

EYE: Chemical splash goggles with indirect or no ventilation.

SKIN : Chemical resistant gloves, such as nitrile.

RESPIRATORY: Organic vapor air purifying respirator if vapors are a nuisance or if the concentrations are above PEL or TLV.

Never eat, drink or smoke in work area

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: colorless

Physical State: liquid

Spec Grav./Density: 0.9975

Boiling Point: >212 F

Odor: strong alcohol odor

Solubility: Completely soluble in water

Freezing/Melting Pt < 0

10 STABILITY AND REACTIVITY

Stability: Material is stable.

Conditions to Avoid: Excessive heat and open flame.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition: Carbon Monoxide and Carbon Dioxide

Hazardous Polymerization: Cannot occur.

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11 TOXICOLOGICAL INFORMATION

LD50
ISOPROPANOL 5.8 g/km (oral)

12 ECOLOGICAL INFORMATION

No data.

13 DISPOSAL CONSIDERATIONS

As a waste, this product in its raw form DOES MEET the criteria of a hazardous waste as defined by RCRA (40 CFR 361). All used and unused product and container should be disposed of in accordance with all applicable federal, state and local regulations. Do not dump in drains, sewers, on the ground or into any body of water

14 TRANSPORT INFORMATION

DOMESTIC:
Not Regulated

EXPORT:
Not Regulated

15 REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
OSHA: Considered to be a hazardous material as defined by 29CFR1910.1200

EPA SARA TITLE III

Section 311-312 (40CFR370): If stored in excess of the threshold quantities, this product should be reported as a(n):

IMMEDIATE (acute) HEALTH HAZARD

Section 313(40CFR372) This product does not contains ingredients which are subject to the reporting requirements of SARA 313:

DIETHYLENE GLYCOL MONOETHYL ETHER	1-5%
XYLENE	0.090%

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OTHER INFORMATION

CALIFORNIA PROPOSITION 65: This product does not contain ingredients which are on the current Proposition 65 list.

NEW JERSEY RIGHT-TO-KNOW: This product contains the following ingredients which are non-hazardous, but are among the top five ingredients in this product:

-----CAS#-----

7732-18-5: Water

7320-34-5: Tetrapotassium Pyrophosphate

68131-395: Ethoxylated Alcohols

Notes:

NG= NOT GIVEN

BT= BETWEEN

<= LESS THAN

>= GREATER THAN

USERS RESPONSIBILITY; This MSDS provides environmental, health and safety information. This product is to be used in applications consistent with our product literature and container label. Individuals handling this product should be informed to the recommended safety precautions and have access to this MSDS. Please contact your local sales representative or our EH&S Department for further information.

END OF MSDS