



MATERIAL SAFETY DATA SHEET

SECTION 1- PRODUCT AND MANUFACTURER INFORMATION

MSDS DATE: 8/1/2010

PRODUCT	OCTAGON RD-1426
SYNONYMS	Runway Deicing Fluid
CHEMICAL FAMILY	Glycols
FORMULA	Mixture

MANUFACTURER

OCTAGON PROCESS
Serviced by Katapult LLC
30 Ramland Rd, Ste 103
Orangeburg, NY 10962

EMERGENCY

CHEMTREC.....800-424-9300
COMPANY EMERGENCY PHONE.....800 423-3375

SECTION 2 - HAZARDOUS INGREDIENTS

<u>CHEMICAL/COMMON NAME</u>	<u>CAS-NUMBER</u>	<u>%</u>	<u>PEL-OSHA</u>	<u>ACGIH - STEL</u>
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Product does not contain any components listed by OSHA or ACGIH.

Product is not considered carcinogenic by NTP, IARC or OSHA

SECTION 3 - HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH=2 FLAMMABILITY=0 REACTIVITY=0 PROTECTION=D

SECTION 4 - HEALTH HAZARD DATA

HEALTH EFFECTS (*Acute And Chronic*)

EYES May cause stinging, redness, irritation.

SKIN No adverse effects are expected.

INHALATION No adverse effects are expected with normal recommended use.

INGESTION Accidental ingestion may cause slight stomach distress.

PRIMARY ROUTES OF ENTRY

EYES/SKIN: Yes INHALATION: Possibly as mist INGESTION: Possible but not Likely

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE pre-existing eye problems may be aggravated



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SECTION 5 - FIRST AID INSTRUCTIONS

EYES Flood with water for at least 15 minutes. If irritation persists, get medical advice.

SKIN Flush with water for at least 15 minutes. If irritation persists, get medical advice.

INHALATION Move victim to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, administer artificial respiration (mouth to mouth is preferred) if trained - get immediate medical attention.

INGESTION Give the victim 4 – 8 oz of water to dilute stomach contents. If stomach distress persists, get medical advice.

SECTION 6 - CHEMICAL DATA

BOILING POINT	228°F	SPECIFIC GRAVITY (WATER=1)	1.085
VAPOR PRESSURE (mmHg)	<1	PERCENT VOLATILE BY VOLUME (%)	Nil
VAPOR DENSITY (AIR=1)	>2	EVAPORATION RATE (n-butyl acetate = 1	<1

SOLUBILITY IN WATER complete

APPEARANCE AND ODOR INFORMATION DYED: Blue colored liquid, practically odorless
UNDYED: Clear, light yellow liquid, practically odorless

INCOMPATIBILITY (Materials To Avoid) strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS incomplete combustion may produce carbon monoxide

WILL HAZARDOUS POLYMERIZATION OCCUR No

CONDITIONS TO AVOID FOR POLYMERIZATION None

IS THE PRODUCT STABLE No

CONDITIONS TO AVOID FOR STABILITY avoid contact with strong oxidizers

SECTION 7 – FIRE FIGHTING INFORMATION

FLASH POINT (Method Used) None (COC)

FLAMMABLE LIMITS Does not apply

EXTINGUISHING MEDIA product does not burn. Fight surrounding fire with appropriate media.

SPECIAL FIRE FIGHTING PROCEDURES Keep fire-exposed containers cool with water fog. Wear SCBA and full turnout gear as recommended by NFPA.

UNUSUAL FIRE AND EXPLOSION HAZARDS None Known



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SECTION 8 - SPILL OR LEAK/DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Dike and contain the spill. Recover free liquid if possible and absorb remainder with an inert material. Keep spilled material out of sewers, drains and waterways. Comply with spill all local notification requirements. All response activities must comply with HAZWOPER (29CFR 1910.120).

WASTE DISPOSAL METHODS Dispose of waste in compliance with local, state and federal regulations. Recycle all wastes whenever feasible.

SECTION 9 – TOXICOLOGY INFORMATION

Not determined

SECTION 10 – ECOLOGICAL INFORMATION

Not determined

SECTION 11 - EXPOSURE CONTROL AND PROTECTION

VENTILATION Use forced-air ventilation when handling product in a confined area

RESPIRATORY PROTECTION Not required with recommended use. If exposure causes irritation during routine or non-routine application of product, use NIOSH/MSHA approved respiratory protection (refer to 29CFR 1910.134).

PROTECTIVE GLOVES Rubber or PVC (refer to 29CFR 1910.132)

OTHER PROTECTIVE EQUIPMENT Wear chemical goggles, rubber apron and full cover impermeable shirt and pants to protect against exposure. Use full face shield and rubber apron if splashing is expected. Provide local emergency showers and eyewash stations.

OTHER ENGINEERING CONTROLS NA

WORK PRACTICES Avoid excessive skin contact. Avoid eye contact and breathing of mists/vapors. All users should consult MSDS before handling this material.

HYGIENIC PRACTICES Wash hands and face after using this product. Remove contaminated clothing. Launder contaminated clothing before re-use. Do not allow product to remain on the skin.

SECTION 12 – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Store only in uncontaminated, dedicated vessels. Store in a cool, dry place. Avoid moisture pickup.



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SECTION 13 - SPECIAL PRECAUTIONS

MAINTENANCE PRECAUTIONS None

SECTION 14 – OTHER INFORMATION

NA

SECTION 15 – REGULATORY INFORMATION

NEW JERSEY RIGHT TO KNOW INFORMATION

07732-18-5 Water
00057-55-6 Propylene Glycol
00057-13-6 Urea
NJ Trade Secret Registry Number 14866600000-5003P

SARA INFORMATION Product is not regulated under SARA III Section 313 Supplier Notification Requirements.

TSCA INFORMATION All components of this product are listed in the TSCA Inventory.

DOT INFORMATION

Not regulated

SECTION 16 – HAZARDOUS MATERIAL IDENTIFICATION GUIDE

The follow letter codes refer to personal protective equipment (PPE) recommendations as shown in SECTION 3 of this MSDS, relative to handling hazardous chemical products.

- A Safety Glasses
 - B Safety Glasses, Hand Protection
 - C Safety Glasses, Hand Protection, Protective Apron
 - D *Full Face Shield, Hand Protection, Protective Apron***
 - E Safety Glasses, Hand Protection, Dust Respirator
 - F Safety Glasses, Hand Protection, Dust Respirator, Protective Apron
 - G Safety Glasses, Hand Protection, Vapor Respirator
 - H Splash Goggles, Hand Protection, Protective Apron, Vapor Respirator
 - I Safety Glasses, Hand Protection, Dust & Vapor Respirator
 - J Safety Glasses, Hand Protection, Protective Apron, Dust & Vapor Respirator
 - K Air Line Hood or Mask, Hand Protection, Full Body Suit, protective Boots
 - X Unspecified – to be determined*
- (*special equipment selection for site-specific applications not otherwise shown here)

The above information is accurate to the best of our knowledge, however, since data, safety standards and government regulations are subject to change and the conditions of handling and use or misuse are beyond our control, Octagon Process assumes no responsibility for any injury or loss resulting from the use of the product described herein.

Prepared according to the OSHA Hazard Communication Standard (29CFR 1910.1200) by Octagon Process.