

OCTAGON PROCESS INC. -- SAE/AMS 1424C-99 TYI OCTAFLO CONCENTRATE

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MSDS Safety Information
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FSC: 6850
NIIN: 01-435-6471
MSDS Date: 07/25/2000
MSDS Num: CKXVZ
Product ID: SAE/AMS 1424C-99 TYI OCTAFLO CONCENTRATE
MFN: 01
Responsible Party
Cage: 82925
Name: OCTAGON PROCESS INC.
Address: 596 RIVER ROAD
City: EDGE
WATER NJ 07020
Info Phone Number: 201-945-9400
Emergency Phone Number: 201-417-1056

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Item Description Information
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Item Manager: S9G
Item Name: DEICING-DEFROSTING AND ANTI-ICING FLUID
Specification Number: SAE/AMS 1424C-99
Type/Grade/Class: TYPE I
Unit of Issue: GL
UI Container Qty: 1
Type of Container: BULK

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NOT PROVIDED
Route Of Entry Inds - Inhalation: NO
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: EYES: MAY CAUSE A STINGING SENSATION, REDNESS, AND IRRITATION. SKIN: NO ADVERSE EFFECTS ARE EXPECTE

D. INHALATION: NO ADVERSE

EFFECTS ARE EXPECTED WITH NORMAL RECOMMENDED USE. AVOID INHALATION OF LARGE VOLUMES. INGESTION: ACCIDENTAL INGESTION MAY CAUSE SLIGHT STOMACH DISTRESS.

Explanation Of Carcinogenicity: THIS PRODUCT CONTAINS NO COMPONENTS CURRENTLY LISTED BY OSHA OR ACGIH. THIS PRODUCT CONTAINS NO CACINOGENS LISTED BY NTP, IARC, OR OSHA.

Signs And Symptions Of Overexposure: EYES: STINGING SENSATION, REDNESS, AND IRRITATION. SKIN: NONE. INHALATION: NONE. INGESTION: STOMACH DISTR ESS.

Medical Cond Aggravated By Exposure: PRE-EXISTING EYE DISEASE MAY BE AGGRAVATED.

First Aid: EYES: FLOOD WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: WASH AREAS WITH SOAP AND WATER. IF IRIRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION. INHALATI ON: 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 MEDI

CAL ATTENT ION. INGESTION: IN CASE OF ACCIDENTAL INGESTION, ADMINISTER 4-8 OZ. OF WATER TO DILUTE STOMACH CONTENTS. DO NOT INDUCE VOMITING; THE POTENTIAL OF LUNG DAMAGE DUE TO ASPIRATION IS GREATER THAN THE POIS ONING HAZARD. GET MEDICAL ATTENTION.

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Handling and Disposal
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Spill Release Procedures: PRODUCT IS SLIPPERY WHEN SPILLED. SPREAD GRANULAR COVER ON AREA. CONTAIN SPILL/ MIN IMIZE DISPERSION. IN CONFINED AREAS WEAR PROPER PROTECTIVE CLOTHING AND EQUIPMENT AS APPROPRIATE. COMPLY WITH SPILL N OTIFICATION REQUIREMENTS. ALL ACTIVITIES MUST COMPLY WITH HAZWOPER (29CFR 1910.120).

Neutralizing Agent: NOT RELEVANT

Waste Disposal Methods: PRODUCT IS BIODEGRADABLE. DISPOSE OF WASTE IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. RECYCLE WHENEVER PRACTICAL.

Handling And Storage Precautions: STORE IN A COOL, DRY PLACE AWAY FROM OXIDIZERS. KEEP CONTAINERS CL OSED WHEN NOT IN USE. PROTECT PRODUCT FROM HIGH MOISTURE PICKUP.

Other Precautions: USE THIS PRODUCT ONLY AS RECOMMENDED.

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Fire and Explosion Hazard Information
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Flash Point Method: COC
Flash Point: =123.9C, 255.F
Lower Limits: N/D
Upper Limits: N/D

Extinguishing Media: THIS PRODUCT WILL NOT BURN.

Fire Fighting Procedures: KEEP FIRE-EXPOSED CONTAINERS COOL WITH WATER SPRAY.

Unusual Fi

re/Explosion Hazard: NONE.

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Control Measures
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Respiratory Protection: NOT REQUIRED WITH NORMAL RECOMMENDED USE. PROTECT AGAINST INHALATION OF LARGE VOLUMES OF MIST DURING APPLICATION.

Ventilation: LOCAL EXHAUST-YES. MECHANICAL (GENERAL)-FAN.

Protective Gloves: RUBBER OR PVC.

Eye Protection: ALWAYS WEAR EYE PROTECTION WHEN HANDLING CHEMICALS.

Other Protective Equipment: WHEN DEICING/AN

TI-ICING AIRCRAFT, USE A FACE SHIELD

AND SLICKER SUIT. PROVIDE LOCAL EMERGENCY SHOWERS AND EYEWASH STATIONS.

Work Hygienic Practices: ALL USERS SHOULD CONSULT MSDS BEFORE HANDLING THIS MATERIAL. WASH HANDS AND FACE AFTER USING THIS PRODUCT. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.

Supplemental Safety and Health: ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT ESTABLISHED.

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Physical/Chemical Properties
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HCC: V5

NRC/State LIC No: NOT RELEVANT

Boiling Point: =131.1C, 268.F

M.P/F.P Text: NOT PROVIDED

Decomp Text: NOT PROVIDED

Vapor Pres: <0.1 MM HG

Vapor Density: N/D

Spec Gravity: 1.04 (H2O=1)

PH: NOT PROVIDED

Viscosity: NOT PROVIDED

Solubility in Water: COMPLETE.

Appearance and Odor: ORANGE, ODORLESS LIQUID.

Percent Volatiles by Volume: 98%

Corrosion Rate: NOT PROVIDE

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES AND SEVERE OXIDIZING CONDITIONS.

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: INCOMPLETE COMBUSTION MAY PRODUCE CARBON MONOXIDE.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE
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Toxicological Information

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Toxicological Information: NOT PROVIDED
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Ecological Information

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Ecological: NOT PROVIDED
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MSDS Transport Information

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Transport Information: NOT PROVIDED
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Regulatory Information

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Sara Title III Information: THIS PRODUCT IS NOT REGULATED UNDER SARA III
SECTION 313 SUPPLIER NOTIFICATION REQUIREMENTS.

Federal Regulatory Information: ALL MATERIALS IN THIS PRODUCT ARE LISTED IN THE
TSCA INVENTORY.

State Regulatory Information: NEW JERSEY RIGHT TO KNOW INFORMATION: WATER, CAS#
7732-18-5; PROPYLENE GLYCOL, CAS# 57-55-6; TRADE SECRET REGISTRY NUMBER
14866100000-5014.

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Other Information

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Other Information: NONE
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Transportation Information

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Responsible Party Cage: 82925
Trans ID NO: 155833
Product ID: SAE/AMS 1424C-99 TYI OCTAFLO CONCENTRATE
MSDS Prepared Date: 07/25/2000
Review Date: 02/13/2001
MFN: 1
Net Unit Weight: BULK
Multiple KIT Number: 0
Unit Of Issue: GL
Container QTY: 1
Type Of Container: BULK
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Detail DOT Information

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DOT PSN Code: ZZZ
DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail IMO Information

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IMO PSN Code: ZZZ
IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF
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TRANSPORTATION

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Detail IATA Information
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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Detail AFI Information
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION
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HAZCOM Label
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Product ID: SAE/AMS 1424C-99 TYI OCTAFLO CONCENTRATE

Cage: 82925

Company Name: OCTAGON PROCESS INC.

Street: 596 RIVER ROAD

City: EDGEWATER NJ

Zipcode: 07020

Health Emergency Phone: 201-417-1056

Label Required IND: Y

Date Of Label Review: 02/13/2001

Status Code: A

MFG Label NO: NOT PROVIDED

Year Procured: 2001

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Sign

al Word: CAUTION

Respiratory Protection IND: NO

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: N/P. FIRST AID: EYES: FLOOD WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. SKIN: WASH AREAS WITH SOAP AND WATER. IF IRIRITATION OCCURS AND PERSISTS, GET MEDICAL ATTENTION. INHALATION: MOVEVICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF BREATHING HAS STOPPED, ADMI

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RESPIRATION, IF TRAINED. GET IMMEDIATE MEDICAL ATTENTION. INGESTION: IN CASE OF ACCIDENTAL INGESTION, ADMINISTER 4-8 OZ. OF WATER TO DILUTE STOMACH CONTENTS. DO NOT INDUCE VOMITING; THE POTENTIAL OF LUNG DAMAGE DUE TO ASPIRATION IS GREATER THAN THE POISONING HAZARD. GET MEDICAL ATTENTION.

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