ONYX(TM) IMAGE DELETION FLUID (NEW AND IMPROVED) Image Deletion Fluid, Dry X DIVISION: PRINTING AND PUBLISHING SYSTEMS TRADE NAME:

00-51128-34034-9 77-9803-8163-4 00-51128-34608-2 3M ID NUMBER/U.P.C.: 77-9803-7918-2 77-9803-8545-2 00-51128-35902-0

ISSUED: FEBRUARY 10, 1995 SUPERSEDES: AUGUST 5, 1993 DOCUMENT: 05-3893-4

1. INGREDIENT	C.A.S. NO.	PERCENT	
WATER	7681-11-0 9014-85-1	30.0 - 30.0 - 15.0 - 5 - 1 -	40.0 40.0 20.0 10 5

2. PHYSICAL DATA

80 C BOILING POINT:.... < 34 mmHgVAPOR PRESSURE:..... at 68 deg F N/D VAPOR DENSITY: VAPOR DENSITY: EVAPORATION RATE: > 1.0 Soluble SOLUBILITY IN WATER: 1.041 Water = 1 SP. GRAVITY:.... ca. 68 % N/D VOC LESS H20 & EXEMPT SOLVENT N/D 3.5 pH: MELTING POINT. ca. 10 CPS N/D APPEARANCE AND ODOR: Liquid, Brown Color - Alcohol Odor

3. FIRE AND EXPLOSION HAZARD DATA

70 F T.C.C. FLASH POINT: . FLAMMABLE LIMITS - LEL: FLAMMABLE LIMITS - UEL: N/D N/D

AUTOIGNITION TEMPERATURE: ... N/D EXTINGUISHING MEDIA:

Dry chemical, Alcohol-type foam Water spray, Carbon dioxide, Dry SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.
UNUSUAL FIRE AND EXPLOSION HAZARDS:

No unusual fire or explosion hazards are anticipated.
NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 REACTIVITY 0
UNUSUAL REACTION HAZARD: none



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4. REACTIVITY DATA

STABILITY: Stable INCOMPATIBILITY - MATERIALS TO AVOID: None known HAZARDOUS POLYMERIZATION: Will Not Occur HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Extinguish all ignition sources. Contain spill. Cover with absorbent material. Collect spilled material. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator. Reclaim if feasible.

ENVIRONMENTAL DATA:

No data available.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable)

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear unvented goggles during operations in which exposure is likely.

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7. PRECAUTIONARY INFORMATION (continued)

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. Wear appropriate gloves when handling this material.

VENTILATION PROTECTION:

Use with adequate dilution ventilation. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Store at temperatures below 120 degrees F (49 degrees C). Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Flammable liquid and vapor. Keep away from heat, sparks, open flame, and other sources of ignition. Avoid static discharge.

EXPOSURE LIMITS

EXPOSURE LIMITS VAI	LUE UNIT	TYPE AUTH SKIN*
INGREDIENTS WATER ISOPROPYL ALCOHOL POTASSIUM IODIDE Ethoxylated tetramethyldecynediol	ONE NONE 400 ppm 500 ppm 400 ppm 500 ppm ONE NONE ONE NONE 0.1 ppm	NONE NONE TWA ACGIH STEL ACGIH TWA OSHA STEL OSHA NONE NONE NONE NONE CEIL ACGIH
TOBTAL	0.1 ppm	CEIL OSHA

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygine Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

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8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

INHALATION:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

Illness may occur after a single swallowing of relatively large IF SWALLOWED: quantities of this material.

Blood disorders: signs/symptoms can include prolonged weakness and fatigue.

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Heart Effects: signs/symptoms can include arrhythmia, heart attack and death.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

SECTION CHANGE DATES

HEADING

SECTION CHANGED SINCE AUGUST 5, 1993 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.