

3M General Offices  
 3M Center  
 St. Paul, Minnesota 55144-1000  
 612/733-1110  
 Duns No.: 00-617-3082

01-009

03-40  
 27035

MATERIAL SAFETY  
 DATA SHEET



DIVISION: VISUAL SYSTEMS DIVISION  
 TRADE NAME:  
 3M BRAND HA5797 BELT CLEANER

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3M I.D. NUMBER: 78-9020-0006-2

ISSUED: APRIL 20, 1992  
 SUPERSEDES: MARCH 2, 1992  
 DOCUMENT: 10-0176-7

1. INGREDIENT	C.A.S. NO.	PERCENT
ISOPROPYL ALCOHOL	67-63-0	90.0
POLY(DIMETHYLSILOXANE)	63148-62-9	<
NEUTRALIZED MIXED ALKYL PHOSPHATES	Unknown	<
C.I. FOOD RED 15	81-88-9	<
OCTYL ALCOHOL	111-87-5	<
DIETHANOLAMINE	111-42-2	<
DECYL ALCOHOL	112-30-1	<

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZING ACT OF 1986 AND 40 CFR PART 372:

C.I. FOOD RED 15  
 DIETHANOLAMINE

2. PHYSICAL DATA

BOILING POINT:..... 181 F  
 VAPOR PRESSURE:..... N/D  
 VAPOR DENSITY: ..... 2.07  
 EVAPORATION RATE:..... N/D  
 SOLUBILITY IN WATER: ..... SOLUBLE  
 SP. GRAVITY:..... 0.9792  
 PERCENT VOLATILE: ..... >90  
 VOLATILE ORGANICS: ..... N/D  
 VOC LESS H2O & EXEMPT SOLVENT ..... N/D  
 pH: ..... N/D  
 VISCOSITY: ..... N/D  
 MELTING POINT..... N/D  
 APPEARANCE AND ODOR: liquid, water clear light pink color, alcohol type odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 53 F CLOSED CUP  
 FLAMMABLE LIMITS - LEL: ..... N/D  
 FLAMMABLE LIMITS - UEL: ..... N/D  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CARBON DIOXIDE, FOAM, DRY CHEMICAL  
 SPECIAL FIRE FIGHTING PROCEDURES:  
 N/D  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 N/D  
 NFPA-HAZARD-CODES: HEALTH 1 FIRE 3 REACTIVITY 0  
 UNUSUAL REACTION HAZARD: None

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

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4. REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
N/D  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
N/D

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5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment. Call (612) 733-1110 or (612) 733-8100 for 24-hour spill assistance. Extinguish all ignition sources. Cover with absorbent material. Collect spilled material. Clean up residue. Place in a U.S. DOT-approved container and seal.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator. Dispose of waste product in a facility permitted to accept chemical waste. Reclaim if feasible.

ENVIRONMENTAL DATA:

U.S. EPA HAZARDOUS WASTE NUMBER: D001 (IGNITABLE)

SARA HAZARD CLASS:

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

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6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. If irritation persists, call a physician.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, call a physician. Wash contaminated clothing before reuse.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

Drink two glasses of water. Call a physician.

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7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact.

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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:

Provide sufficient ventilation to maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors..

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition.

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH.	SKIN
	VALUE	UNIT		
ISOPROPYL ALCOHOL .....	400	ppm	TWA	ACGIH
ISOPROPYL ALCOHOL .....	985	mg/m3	TWA	ACGIH
ISOPROPYL ALCOHOL .....	500	ppm	STEL	ACGIH
ISOPROPYL ALCOHOL .....	1230	mg/m3	STEL	ACGIH
ISOPROPYL ALCOHOL .....	400	ppm	TWA	OSHA
ISOPROPYL ALCOHOL .....	980	mg/m3	TWA	OSHA
ISOPROPYL ALCOHOL .....	500	ppm	STEL	OSHA
ISOPROPYL ALCOHOL .....	1225	mg/m3	STEL	OSHA
POLY(DIMETHYLSILOXANE) .....	NONE	NONE	NONE	NONE
NEUTRALIZED MIXED ALKYL PHOSPHATES ...	NONE	NONE	NONE	NONE
C.I. FOOD RED 15 .....	NONE	NONE	NONE	NONE
OCTYL ALCOHOL .....	NONE	NONE	NONE	NONE
DIETHANOLAMINE .....	3	ppm	TWA	ACGIH
DIETHANOLAMINE .....	13	mg/m3	TWA	ACGIH
DIETHANOLAMINE .....	3	ppm	TWA	OSHA
DIETHANOLAMINE .....	15	mg/m3	TWA	OSHA
DECYL ALCOHOL .....	NONE	NONE	NONE	NONE

\* 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.

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**7. PRECAUTIONARY INFORMATION (CONTINUED)**

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**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

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**8. HEALTH HAZARD DATA**

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**EYE CONTACT:**

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

**SKIN CONTACT:**

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

**INHALATION:**

Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, delirium, tremors, sensory loss and coma.

Respiratory System Irritation: signs/symptoms can include coughing, congestion, irritation of throat, tightness of chest, wheezing and difficulty breathing.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Kidney Effects: signs/symptoms can include reduced urine volume, loss of appetite, weight gain, red urine, back pain, painful urination and lethargy.

Liver Effects: signs/symptoms can include yellow skin, tenderness of abdomen, abdominal distension, lethargy, fever, and death.

**IF SWALLOWED:**

Ingestion may cause:

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

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**3. HEALTH HAZARD DATA (continued)**

vomitus, and blood in feces.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, pneumonia, and coughing up blood.

Repeated ingestion may cause:

Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, delirium, tremors, sensory loss and coma.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Anemia (decreased number of red blood cells or amount of hemoglobin): signs/symptoms can include a general feeling of unhealthiness, weakness and fatigue.

Arrhythmia: signs/symptoms can include palpitations, pounding or an irregular heart beat.

Ingestion may cause:

Kidney Effects: signs/symptoms can include reduced urine volume, loss of appetite, weight gain, red urine, back pain, painful urination and lethargy.

Liver Effects: signs/symptoms can include yellow skin, tenderness of abdomen, abdominal distension, lethargy, fever, and death.

**SECTION CHANGE DATES**

HEADING	SECTION CHANGED SINCE	MARCH 2, 1992 ISSUE
FIRE & EXP. DATA	SECTION CHANGED SINCE	MARCH 2, 1992 ISSUE
FIRST AID	SECTION CHANGED SINCE	MARCH 2, 1992 ISSUE
PRECAUT. INFO.	SECTION CHANGED SINCE	MARCH 2, 1992 ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	MARCH 2, 1992 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.