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

MATERIAL SAFETY
DATA SHEET



DIVISION: ELECTRICAL PRODUCTS DIVISION
TRADE NAME:
SCOTCH BRAND 1603 IVI-SPRAY SEALER (BLACK)
U.P.C. NUMBER: 00-54007-13816-7

ISSUED: OCTOBER 24, 1989
SUPERSEDES: JUNE 1, 1989
DOCUMENT: 10-2635-0

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
MELAMINE/FORMALDEHYDE POLYMER	9003-08-1	25.0 - 35.0	NONE	NONE	NONE	NONE
METHYL ETHYL KETONE	78-93-3	15.0 - 25.0	200	ppm	TWA	ACGIH
METHYLENE CHLORIDE	75-09-2	10.0 - 20.0	50	ppm	TWA	ACGIH
ISOBUTANE	75-28-5	12.0 - 15.0	NONE	NONE	NONE	NONE
PROPANE	74-98-6	12.0 - 15.0	1000	ppm	TWA	OSHA
ALKYD RESIN	63148-69-6	2.0 - 4.0	NONE	NONE	NONE	NONE
CARBON BLACK	1333-86-4	1.0 - 3.0	3.5	mg/m ³	TWA	ACGIH
XYLENE	1330-20-7	1.0 - 3.0	100	ppm	TWA	ACGIH
BUTYL ALCOHOL	71-36-3	1.0 - 3.0	50	ppm	CEIL	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

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

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 REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

METHYL ETHYL KETONE
METHYLENE CHLORIDE
XYLENE
BUTYL ALCOHOL

2. PHYSICAL DATA

BOILING POINT:..... 40C
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... >1
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... Nil
SP. GRAVITY:..... 0.99
PERCENT VOLATILE:..... 68
VOLATILE ORGANICS:..... N/D
PH:..... N/A
VISCOSITY:..... N/A
APPEARANCE AND ODOR: Black liquid in aerosol can.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50F Closed Cup
FLAMMABLE LIMITS - LEL:..... 1.0%
FLAMMABLE LIMITS - UEL:..... 7.0%
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
Carbon Dioxide, Foam or Dry Chemical
SPECIAL FIRE FIGHTING PROCEDURES:
Firefighters should be equipped with self-contained breathing

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Treat as pressurized container.

NFPA-HAZARD-CODES: HEALTH 3 FIRE 4 REACTIVITY 0

UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

NONE

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

May include Carbon Monoxide, Carbon Dioxide, Hydrogen Chloride and Phosgene.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Do not puncture cans. If any cans are leaking, observe precautionary and special protection information. Collect cans.

RECOMMENDED DISPOSAL:

Incinerate properly in a commercial or municipal incinerator mixed with other refuse. Do not incinerate in a household incinerator. Dispose in accordance with local, state and federal regulations.

ENVIRONMENTAL DATA:

NONE

SARA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with plenty of water and continue for ten minutes holding the eye lid open. Call a physician.

SKIN CONTACT:

Wash with soap and water.

INHALATION:

Remove person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Call a physician.

IF SWALLOWED:

DO NOT INDUCE VOMITING. Give one to two glasses of water. Call a physician.

OTHER FIRST AID:

NONE

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7. PRECAUTIONARY INFORMATION

Do not spray near sparks, heat or open flame. Use only in well ventilated areas with sufficient air movement to maintain airborne concentration levels at recognized health and safety levels. Avoid breathing of vapors or spray mist. If vapors should exceed recommended levels wear a NIOSH approved organic vapor respirator. If overspray occurs a particulate or mist pre-filter should be worn. Avoid contact with eye and skin. Wear chemical safety goggles and impervious gloves. DO NOT PUNCTURE OR INCINERATE OR STORE ABOVE 120F. Avoid prolonged exposure to sunlight. Exposure to heat may cause container to burst. KEEP OUT OF REACH OF CHILDREN.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	---- EXPOSURE		LIMITS -----	
	VALUE	UNIT	TYPE	AUTH
METHYL ETHYL KETONE	590	mg/m3	TWA	ACGIH
METHYL ETHYL KETONE	300	ppm	STEL	ACGIH
METHYL ETHYL KETONE	885	mg/m3	STEL	ACGIH
METHYL ETHYL KETONE	200	ppm	TWA	OSHA
METHYL ETHYL KETONE	590	mg/m3	TWA	OSHA
METHYL ETHYL KETONE	300	ppm	STEL	OSHA
METHYL ETHYL KETONE	885	mg/m3	STEL	OSHA
METHYLENE CHLORIDE	175	mg/m3	TWA	ACGIH
METHYLENE CHLORIDE	1000	ppm	CEIL	OSHA
METHYLENE CHLORIDE	500	ppm	TWA	OSHA
METHYLENE CHLORIDE	2000	ppm	STEL	OSHA
PROPANE	1800	mg/m3	TWA	OSHA
CARBON BLACK	3.5	mg/m3	TWA	OSHA
XYLENE	435	mg/m3	TWA	ACGIH
XYLENE	150	ppm	STEL	ACGIH
XYLENE	655	mg/m3	STEL	ACGIH
XYLENE	100	ppm	TWA	OSHA
XYLENE	435	mg/m3	TWA	OSHA
XYLENE	150	ppm	STEL	OSHA
XYLENE	655	mg/m3	STEL	OSHA
BUTYL ALCOHOL	50	ppm	CEIL	OSHA
BUTYL ALCOHOL	150	mg/m3	CEIL	OSHA
BUTYL ALCOHOL	150	mg/m3	CEIL	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: Causes skin irritation. May be absorbed through the skin to cause pain, numbness, and burns on prolonged contact, and on contact with skin under clothing.

INHALATION: May cause respiratory system irritation and temporary nervous system impairment. May cause lung, liver and heart damage.

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8. HEALTH HAZARD DATA (continued)

May present a special hazard to persons with pre-existing heart disease. Potential cancer hazard based on animal studies (NTP). Symptoms may include headache, dizziness, giddiness, irritability, stupor, numbness or tingling of the extremities, memory loss, unconsciousness and death. Methylene chloride causes mutations in microbial systems. Caused malformations of chick embryos when injected into the air space of fertilized eggs. Does not appear to damage DNA in the unscheduled DNA synthesis assay. The International Agency for Research on Cancer, IARC, states the available data on carbon blacks are inadequate to permit an evaluation of their carcinogenicity to experimental animals. There is sufficient evidence that benzene extracts of most of the carbon blacks tested are carcinogenic to experimental animals. The available epidemiological data provide inadequate evidence to evaluate the carcinogenicity to humans of carbon blacks. Exposure to carbon black is not expected in use and handling of this product.

INGESTION: Not an expected route of industrial exposure. Aspiration into the lung may cause lung damage or death. Symptoms following ingestion may include digestive system irritation with nausea and vomiting, and nervous system impairment.

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.