

MAY 13 1986



MATERIAL SAFETY
DATA SHEET

3M
3M CENTER
ST. PAUL, MINNESOTA
55144-1000
612/733-1110

Duns No.: 00-617-3082

001594

DIVISION: Printing Products
TRADE NAME: 3M R PROCESS GUM
3M I.D. NUMBER: 77-9800-6359-6 77-9800-9948-3 77-9800-9949-1
77-9800-9950-9
ISSUED: NOVEMBER 5, 1985
SUPERSEDES: SEPTEMBER 1, 1982
DOCUMENT: 10-3216-8

1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
Water	7732-18-5	80.0- 90.0	none 5
Organic Salt	Proprietary	0.0- 10.0	none 5
Inorganic Salt	Proprietary	0.0- 10.0	none 5
n-Propanol	71-23-8	0.0- 10.0	200ppm Skin 1
Organic acid	Proprietary	0.0- 10.0	none 5
Gum	N/D	0.0- 10.0	none 5
Formaldehyde	50-00-0	0.0- 1.0	1 ppm 1

- SOURCE OF EXPOSURE LIMIT DATA
1. ACGIH THRESHOLD LIMIT VALUES
 2. FEDERAL OSHA PERMISSIBLE EXPOSURE LIMIT
 3. 3M EXPOSURE GUIDELINES
 4. CHEMICAL MANUFACTURER RECOMMENDED GUIDELINES
 5. NONE ESTABLISHED

ABBREVIATIONS
N/D - NOT DETERMINED
N/A - NOT APPLICABLE

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2. PHYSICAL DATA

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BOILING POINT:	201 F	SOLUBILITY IN WATER:	Soluble
VAPOR PRESSURE:	N/D	SP. GRAVITY (WATER=1):	1.022
VAPOR DENSITY (AIR=1):	N/D	PERCENT VOLATILE:	1
EVAPORATION RATE (WATER=1):	1	VISCOSITY:	4.0 cps
APPEARANCE AND ODOR:	Clear straw-mucilage	pH:	2.4-3.1

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (N/A):
FLAMMABLE LIMITS - LEL: N/A UEL: N/A

EXTINGUISHING MEDIA:
CO2

SPECIAL FIRE FIGHTING PROCEDURES:
None

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None

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4. REACTIVITY DATA

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STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:
N/A

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:
N/A

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5. ENVIRONMENTAL INFORMATION

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SPILL RESPONSE:

Collect spilled material. Clean up residue. Flush spill area with water to remove residue.

RECOMMENDED DISPOSAL:

Neutralize the acid with soda ash, sodium hydroxide or calcium hydroxide. Check pH with litmus paper or pH meter. Neutralized solution may be slowly discharged to a wastewater system treatment in accordance with local regulation.

ENVIRONMENTAL DATA:

EPA Hazardous Waste Number: Nonhazardous

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Flush eyes with plenty of water and contact a physician.

SKIN CONTACT:

N/A

INHALATION:

If irritation or symptoms occur, move to fresh air.

IF SWALLOWED:

Drink two glasses of milk or water and contact a physician or poison control center.

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7. PRECAUTIONARY INFORMATION

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Avoid eye contact. Avoid breathing vapor. Use only with adequate ventilation. Keep container closed when not in use. Do not take internally. Keep out of reach of children.

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8. HEALTH HAZARD DATA

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May cause eye irritation.

Skin Contact: No adverse health effects are expected. (The product caused no skin irritation when tested in laboratory animals.)

Inhalation: No adverse health effects are expected. (In dust form, the organic salt, inorganic salt and organic acid can cause respiratory symptom irritation and nervous system irritation, asthma-like symptoms, accumulation of fluid in the lungs, predisposition to respiratory infection, neurochemical changes and has caused nasal cancers in laboratory animals on prolonged exposure (NTP,IARC). Due to the aqueous nature of the product and the low concentration of these chemicals in the product, these effects are not anticipated.)

Ingestion: May cause digestive system irritation. (n-propyl alcohol can cause abdominal cramps, nervous system impairment, drowsiness, headache, nausea, vomiting, weakness, diarrhea, convulsions, collapse and unconsciousness. Due to the low concentration n-propyl alcohol in the product, these effects are not anticipated.)

Other: (n-Propyl alcohol has caused mutations in bacteria and liver sarcomas in rats following subcutaneous injection. Formaldehyde is genotoxic in a number of assays and is mutagenic in human cells in culture, other mammalian cells, drosophila, fungi and bacteria. It is a weak carcinogen promoter in cell culture and on mouse skin.)

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