

MATERIAL SAFETY
DATA SHEET



1 H 2 F 1 PE	CHEMICAL NAME Viking Gum
	MANUFACTURER 3-M Corp
	DATE 12/22/06

Lab Safety Supply Inc.

Reorder No. 17135

DIVISION: PRINTING AND PUBLISHING SYSTEMS
TRADE NAME:
VIKING(TM) GUM

3M ID NUMBER/U.P.C.: 77-9803-0968-4 00-51128-21550-0 77-9803-0969-2 00-51128-21551-7
77-9803-0970-0 00-51128-21552-4 77-9803-0971-8 00-51128-21553-1
77-9803-8323-4 00-51128-34874-1 77-9804-0038-4 00-51128-38333-9

ISSUED: FEBRUARY 10, 1995
SUPERSEDES: DECEMBER 15, 1993
DOCUMENT: 10-3270-5

1. INGREDIENT	C.A.S. NO.	PERCENT		
WATER	7732-18-5	80.0	-	90.0
MALTODEXTRIN	9050-36-6	10.0	-	15.0
PROPYL ALCOHOL	71-23-8	1.0	-	5.0
AMMONIUM PHOSPHATE	7722-76-1	1.0	-	5.0
MAGNESIUM NITRATE	10377-60-3	1.0	-	5.0
PHOSPHORIC ACID	7664-38-2	<	-	1.0

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND 40 CFR PART 372:
PHOSPHORIC ACID

2. PHYSICAL DATA

BOILING POINT: 212 F
VAPOR PRESSURE: < 17.5 mmHg at 68 deg F
VAPOR DENSITY: N/D
EVAPORATION RATE: N/D
SOLUBILITY IN WATER: Soluble
SP. GRAVITY: 1.04
PERCENT VOLATILE: 85
VOLATILE ORGANICS: 20.80 gms/liter
Calculated from formulation
VOC LESS H2O & EXEMPT SOLVENT 152.1 gms/liter
Calculated from formulation
pH: 2.7 - 3.3
VISCOSITY: 4.0 cps
MELTING POINT: N/D
APPEARANCE AND ODOR: Liquid, Light Straw - Gum Odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 146 F T.C.C.
FLAMMABLE LIMITS - LEL: N/D
FLAMMABLE LIMITS - UEL: N/D
AUTOIGNITION TEMPERATURE: N/D
EXTINGUISHING MEDIA:
Water spray, Carbon dioxide, Foam
SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing, including helmet, self-contained,

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

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:

None known.

NFPA-HAZARD-CODES: HEALTH 1 FIRE 2 REACTIVITY 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA**STABILITY:** Stable**INCOMPATIBILITY - MATERIALS TO AVOID:**

None known.

HAZARDOUS POLYMERIZATION: Will Not Occur**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen.

5. ENVIRONMENTAL INFORMATION**SPILL RESPONSE:**

Observe precautions from other sections. Collect spilled material. Clean up residue with water. Place in a U.S. DOT-approved container. Disposal alternative: Carefully, with stirring and cooling, add waste product to a solution of soda ash (sodium carbonate) and slaked lime (calcium hydroxide). Confirm neutrality.

RECOMMENDED DISPOSAL:

Slowly discharge spent solutions and small quantities (less than 5 gal. (19 L)) to a wastewater treatment system. For larger quantities: Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

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

6. SUGGESTED FIRST AID**EYE CONTACT:**

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

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

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6. SUGGESTED FIRST AID (continued)

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.

SKIN PROTECTION:
Avoid skin contact. Wear appropriate gloves when handling this material.

VENTILATION PROTECTION:
Use with adequate dilution ventilation.

RESPIRATORY PROTECTION:
Avoid breathing of airborne material.

PREVENTION OF ACCIDENTAL INGESTION:
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

RECOMMENDED STORAGE:
Store at temperatures above 32 degrees F (0 degrees C). 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			
WATER	NONE	NONE	NONE	NONE	
MALTODEXTRIN	NONE	NONE	NONE	NONE	
PROPYL ALCOHOL	200	ppm	TWA	ACGIH	Y
PROPYL ALCOHOL	250	ppm	STEL	ACGIH	Y
PROPYL ALCOHOL	200	ppm	TWA	OSHA	
PROPYL ALCOHOL	250	ppm	STEL	OSHA	
AMMONIUM PHOSPHATE	NONE	NONE	NONE	NONE	
MAGNESIUM NITRATE	NONE	NONE	NONE	NONE	
PHOSPHORIC ACID	1	mg/m3	TWA	ACGIH	

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7. PRECAUTIONARY INFORMATION (continued)

INGREDIENTS	EXPOSURE LIMITS		TYPE AUTH	SKIN*
	VALUE	UNIT		
PHOSPHORIC ACID	3	mg/m3	STEL ACGIH	
PHOSPHORIC ACID	1	mg/m3	TWA OSHA	
PHOSPHORIC ACID	3	mg/m3	STEL 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 Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

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

INHALATION:

No adverse health effects are expected from inhalation exposure.

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.

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.

IF SWALLOWED:

No adverse health effects are expected from swallowing.

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

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

NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

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

SECTION CHANGE DATES**HEADING****SECTION CHANGED SINCE DECEMBER 15, 1993 ISSUE**

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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 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.