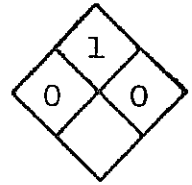




HAZARD
RATING



**MATERIAL HEALTH AND
SAFETY BULLETIN**

PRODUCT CAS NO. *NE

MANUFACTURER'S PRODUCT NAME (as labeled)	MANUFACTURER'S PRODUCT CODE NO.
Lining Compound (Wax-Resin)	PC-1035

D.O.T.: HAZARD CLASSIFICATION	UN/NA NUMBER
Consumer Commodity (173.1200)	ORM-D

HAZARD LABEL	PROPER SHIPPING NAME
None required	Consumer Commodity, ORM-D, Wax-Resin

===== I. PRODUCT IDENTIFICATION =====

MANUFACTURER'S NAME	BUSINESS PHONE
GAINSBOROUGH PRODUCTS, CO.	510-283-4187
STREET ADDRESS	CITY, STATE and ZIP CODE
281 LAFAYETTE CIRCLE	Lafayette, CA 94549
EMERGENCY TELEPHONE	DATE PREPARED
YOUR LOCAL POISON CONTROL CENTER	1/87
CHEMICAL NAMES and COMMON NAMES	CHEMICAL FAMILY
Gum Rosin/Microcrystalline Wax	Tricyclic Monocarboxylic acids/ Hydrocarbons. Petroleum Waxes

===== II. HAZARDOUS INGREDIENTS =====

CHEMICAL NAMES	CAS NUMBERS	Exposure Limits in Air		
		ACGIH(TLV)	OSHA(PEL)	OTHER
n/a				

This product in solid form is not a hazardous material under current Department of Labor definitions. The product is flammable if overheated or exposed to open flame in liquid state.

Exposure Limits in "other" column are Cal/OSHA PELs

* NE = Not Established
n/a = Not Applicable

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===== III. PHYSICAL PROPERTIES =====

APPROXIMATE BOILING RANGE (°F)

Above 652° F

APPROXIMATE MELTING RANGE (°F)

180° F

VAPOR DENSITY (Air = 1) n/a

___ Heavier; ___ Lighter than Air

EVAPORATION RATE (Ether = 1) n/a

___ Faster; ___ Slower than Ether

VAPOR PRESSURE (mm Hg @ 20 ° C)

100 mm @ 317° C

SPECIFIC GRAVITY (H₂O = 1)

~~xx~~ Lighter; ___ Heavier than Water

PERCENT VOLATILE BY VOLUME (%)

n/a

SOLUBILITY IN WATER

Not soluble in water.

APPEARANCE AND ODOR

This product is a solid amber/carmel colored

Wax with no odor in solid form.

===== IV. FIRE and EXPLOSION =====

FLASH POINT (Method Used)

530° F COC, ASTM D-92

AUTOIGNITION TEMPERATURE (°F)

*NE

FLAMMABLE LIMITS IN AIR

*NE

D.O.T. FLAMMABILITY CLASSIFICATION

Volume %: ___ lower; ___ upper

See Section II

FIRE EXTINGUISHING MATERIAL:

___ water spray; XX carbon dioxide; X foam; XX dry chemical; ___ Other.

Specify Other: Water or foam may cause frothing when applied to flaming wax.

SPECIAL FIREFIGHTING PROCEDURES:

The use of self-contained breathing apparatus is recommended for fire fighte
Prolonged excessive inhalation of fumes of overheated wax can cause aspirati
pneumonia.

UNUSUAL FIRE and EXPLOSION HAZARDS:

Wax-resin is flammable if overheated and may be explosive when exposed
to flames. Keep away from open flames.

===== V. HEALTH HAZARD INFORMATION =====

A. Symptoms of OVEREXPOSURE:

INHALED: NO HAZARD IN SOLID FORM.

If wax-resin is overheated, prolonged and excessive inhalation of fumes may
cause nasal and respiratory irritation and aspiration pneumonia.

===== V. HEALTH HAZARD INFORMATION - continued =====

A. Symptoms of OVEREXPOSURE: (continued)

CONTACT WITH SKIN: NO HAZARD IN SOLID FORM.

Repeated exposure with warm liquid wax may cause dermatitis in sensitive individuals.

Hot liquid wax will cause thermal burns.

CONTACT WITH EYES:

Hot liquid wax will cause severe irritation, redness, tearing, blurred vision and possible eye damage.

ABSORBED THROUGH SKIN: NO HAZARD IN SOLID FORM.

Hot liquid wax causes deep thermal burns.

SWALLOWED: Solid form ingestion may produce a mild laxative effect. Ingestion of hot liquid wax can cause severe thermal burns of the lips, mouth, tongue, gums, throat and stomach and can be fatal.

B. HEALTH EFFECTS OR RISKS FROM EXPOSURE:

ACUTE: Little to none in solid form.

In hot liquid state - severe thermal burns.

CHRONIC: Lung irritation and damage with prolonged and repeated exposure to the fumes of overheated wax-resin.

C. FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: If hot liquid contact - flush with large amounts of cool tap water for at least 15 minutes - cautiously lifting upper and lower eyelids occasionally. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT: A burn from molten (hot) wax should be treated as a thermal burn. Hot liquid wax tends to cling to flesh, especially after solidifying, it should be cooled as quickly as possible with cool tap water. DO NOT attempt to peel wax contaminated clothing off skin - flush with cool tap water. If the skin is badly burned, DO NOT remove wax. GET IMMEDIATE MEDICAL ATTENTION.

===== V. HEALTH HAZARD INFORMATION - continued =====

C. FIRST AID: EMERGENCY PROCEDURES (continued)

INHALED: If breathing difficulties, dizziness or lightheadedness occur when working in areas with high fume concentrations, victim should seek air free of fumes. If breathing stops, keep person warm, begin artificial respiration and seek immediate medical attention

SWALLOWED: If a large quantity of solid product has been swallowed, seek medical advice and/or attention.
If hot liquid has been swallowed - DO NOT INDUCE VOMITING - immediately seek medical advice. Keep person warm and quiet. Aspiration of material into the lungs due to vomiting can cause aspiration pneumonia which can be fatal.

D. SUSPECTED CANCER AGENT?

XX NO This product's ingredients are not found in the lists below.

YES: Federal OSHA; NTP; IARC; Cal/OSHA

NOTE: California employers using Cal/OSHA-regulated carcinogens must register with Cal/OSHA.

E. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Prolonged and/or repeated excessive exposure to fumes may aggravate most pulmonary diseases.

RECOMMENDATIONS TO PHYSICIAN: When ingested, paraffin waxes in small quantities produce a mild laxative effect. The waxes are not digested and not absorbed, but may inhibit the absorption of digestible lipids. Treat wax burns as thermal burns.

===== VI. REACTIVITY DATA =====

STABILITY: XX Stable; Unstable

CONDITIONS TO AVOID: Keep work area free of open flames. Never leave the hot wax-resin unattended.

INCOMPATIBILITY (materials to avoid):

This product and fumes can react with oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS (including combustion products):

None known.

HAZARDOUS POLYMERIZATION: May occur; XX Will not occur.

CONDITIONS TO AVOID:

None known.

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===== VII. SPILL, LEAK AND DISPOSAL PROCEDURE =====

SPILL RESPONSE PROCEDURE (including employee/user protection measures):

If solid, sweep up the material.

If hot liquid, attempt to confine the spill and let the wax solidify and then pick up. Absorb liquid on paper, vermiculite, sand, clay earth, floor absorbent and transfer to a closed container.

PREPARING WASTES FOR DISPOSAL (container types, neutralization, etc.):

Contaminated wax or absorbent may be deposited in a landfill according to Local, State and Federal anti-pollution regulations.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

===== VIII. SPECIAL HANDLING INFORMATION =====

VENTILATION AND ENGINEERING CONTROLS: None if in solid form.

Always use hot liquid in well-ventilated area. Provide local exhaust. See Section V.

RESPIRATORY PROTECTION: None if in solid form. None for hot liquid if adequate local ventilation is maintained.

EYE PROTECTION (types): With hot liquid, use thermal protection goggles.

GLOVES (specify material): With hot liquid, thermal gloves are recommended.

OTHER CLOTHING AND EQUIPMENT: To prevent build-up of fumes, do not allow wax-resin heating container to overheat.

WORK PRACTICES, HYGIENIC PRACTICES: Avoid spills and splashing. Keep hot wax out of the reach of children and turn handles away from the edge of the work surface. Heat and maintain wax at a low heat setting per the Gainsborough manual instructions.

OTHER HANDLING AND STORAGE REQUIREMENTS: Keep both solid and liquid product away from open flame or prolonged heat (if not in use). Keep baking soda and a fire extinguisher and lid for the melting container near. If fire is confined to melting container, turn heat off and cover with lid. If the fire is due to wax spill, turn heat off and sprinkle with baking soda or use fire extinguisher. Do not use water to extinguish a wax fire.

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===== VIII. SPECIAL HANDLING INFORMATION - continued =====
PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

If there is a heavy concentration of fumes, persons not wearing self-contained breathing apparatus should be excluded from the area of spill or fire until clean-up has been completed.

===== IX. WARNING STATEMENTS =====

IN SOLID FORM: Wax-resin is not a hazardous material. IN HOT LIQUID, if exposed to flame or overheated: DANGER-FLAMMABLE and EXPLOSIVE. Contains petroleum waxes. Keep away from open flames. During use and until all fumes are gone: KEEP AREA WELL-VENTILATED. HOT LIQUID HARMFUL IF SWALLOWED: If hot liquid swallowed DO NOT INDUCE VOMITING-immediately call physician, hospital emergency room or Poison Control Center for instructions. Have person lie down and keep warm. Never give anything by mouth to an unconscious person. HOT LIQUID CAUSES THERMAL BURNS TO SKIN AND EYES. In case of skin contact: Immediately flush skin with cool tap water for 15 minutes. If spilled on clothing, DO NOT attempt to peel wax contaminated clothing off skin - flush area with cool tap water for 15 minutes. Get prompt medical attention. See Section V. In case of eye contact: Flush eyes with cool tap water-IMMEDIATELY CALL physician, hospital emergency room for instructions. If skin or eyes are badly burned, do not remove wax. FUMES HARMFUL: from overheated wax-resin OVER-EXPOSURE may cause lung irritation and damage. Intentional misuse of the product by deliberately concentrating and inhaling can be harmful or fatal. USE IN WELL-VENTILATED AREA. If you experience even slight dizziness, nausea or eye or throat irritation - STOP - ventilation is inadequate - turn heat

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume the risk of his use thereof.

IX. WARNING STATEMENTS-Continued. off on wax container - move to fresh air. Never leave the hot wax-resin unattended. Turn handles of melting container away from the edge of the work surface. Do not mix with any other product. In case of fire: DO NOT USE WATER, use CO₂ or dry chemical extinguisher. KEEP HOT AND SOLID WAX-RESIN OUT OF THE REACH OF CHILDREN.

Thoroughly read all information on the product container label, the "Material Health and Safety Bulletin" and the Gainsborough Manual before using the product.

LION Birmingham B9 4BN 0121 773 1230

LINING COMPOUND

1 lb /500gm

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