



CORPORATION

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MATERIAL SAFETY DATA SHEET

DATE: 4/01/87
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I. PRODUCT IDENTIFICATION

PRODUCT NAME: GASKET SHELLAC TYPE 5

BRAVO #52000

PART NO.: 5-2
5-4

PRODUCT TYPE: SEALANT

II. COMPOSITION

INGREDIENTS	% BY WT.	HAZARD
ISOPROPYL ALCOHOL	30-35	ILV=400 PPM *
MODIFIED NATURAL RESINS	60-65	

* OVEREXPOSURE TO ISOPROPYL ALCOHOL VAPOR MAY IRRITATE EYES, NOSE AND THROAT. LIQUID ISOPROPYL ALCOHOL IS AN EYE IRRITANT AND MODERATELY TOXIC BY INGESTION.

IT IS OUR BEST TECHNICAL JUDGEMENT THAT WITH PROPER PRECAUTIONS, NORMAL USE OF THIS PRODUCT POSES NO SUCH HAZARDS

III. CHEMICAL AND PHYSICAL PROPERTIES

VAPOR PRESSURE: 33 MM @ 68 DEG. F	SPECIFIC GRAVITY: 1.04 77 DEG. F
VAPOR DENSITY: 2.07	BOILING POINT: 180 DEG. F
SOLUBILITY IN WATER: PARTIAL	PH: DOES NOT APPLY
APPEARANCE: Dark Brown; Viscous Liquid	ODOR: ALCOHOLIC

IV. TOXICITY AND HEALTH HAZARD DATA

TOXICITY:
EYE IRRITANT
MODERATELY TOXIC BY INGESTION

TLV: ISOPROPYL ALCOHOL=400 PPM TWA

SYMPTOMS OF OVEREXPOSURE:

TLV ABOVE TLV IS IRRITATION TO EYES, NOSE, THROAT AND CAN CAUSE
HEADACHE, DIZZINESS AND NAUSEA. LIQUID IS EYE IRRITANT.

EMERGENCY TREATMENT PROCEDURES:

INGESTION:
INDUCE VOMITING AND GET MEDICAL ATTENTION.

INHALATION:
REMOVE TO FRESH AIR.

SKIN CONTACT:
WASH WITH SOAP AND WATER.

EYE CONTACT:
FLUSH WITH WATER FOR 15 MINUTES AND CONSULT PHYSICIAN.

PERSONAL PROTECTION:

EYES:
SAFETY GLASSES RECOMMENDED FOR LARGE QUANTITIES OR INDUSTRIAL USE.

SKIN:
NONE REQUIRED.

VENTILATION:
MUST BE ADEQUATE TO AVOID EXCEEDING TLV

V. FLAMMABILITY AND EXPLOSIVE PROPERTIES

FLASH POINT: 175°F METHOD: OPEN CUP
EXPLOSIVE LIMITS(% BY VOLUME IN AIR) LOWER: 2 % UPPER: 12 %
RECOMMENDED EXTINGUISHING AGENTS: CO2, DRY CHEMICAL, FOAM
HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMPOSITION:
CARBON, CARBON MONOXIDE, CARBON DIOXIDE.
UNUSUAL FIRE OR EXPLOSION HAZARDS:
NONE
DECOMPOSED GASES:
NAME: NONE
PRESSURE AT ROOM TEMPERATURE:

VI. REACTIVITY DATA

STABILITY: (X) STABLE () UNSTABLE

HAZARDOUS POLYMERIZATION: | | MAY OCCUR |X| WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS (NON-THERMAL):
NONE KNOWN

INCOMPATIBILITY:
STRONG OXIDIZERS

VII. SPILL OR LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:
SCRAPE/WIPE UP AS MUCH AS POSSIBLE & STORE IN CLOSED CONTAINERS. RESIDUES MAY BE CLEANED WITH ISOPROPYL ALC. OR 1,1,1-TRICHLOROETHANE. FOR LGE. QUANTITY SPILLS VENTILATE AREA WELL & ELIMINATE SOURCE OF IGNITION

RECOMMENDED METHODS OF DISPOSAL:
LAND FILL OR INCINERATE FOLLOWING EPA AND LOCAL REGULATIONS

VIII. STORAGE AND HANDLING PROCEDURES

STORAGE:
DO NOT STORE NEAR HEAT, SPARKS OR FLAME

HANDLING:
AVOID PROLONGED BREATHING OF VAPORS AND CONTACT WITH EYES

IX. SHIPPING REGULATIONS

TYPE OR CLASS DOT: ORM-D
 IATA: CLASS 3 FLAMMABLE LIQUID
PROPER SHIPPING NAME
 DOT: CONSUMER COMMODITY
 IATA: RESIN SOLUTION, FLAMMABLE, UN 1866

PREPARED BY:



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President