

Material Safety Data Sheet

SECTION I CHEMICAL and COMPANY IDENTIFICATION

PRODUCT: *Vinoprene 647, Vinoprene 6475, Vinoprene 640*
CHEMICAL NAME: Acrylonitrile-butadiene copolymer with polyvinyl chloride
COMMON/GENERIC NAME: NBR/PVC
CHEMICAL FAMILY: *Nitrile polymer blend*
MANUFACTURER: PUNEET RESINS – Mumbai, India
SUPPLIER: H B CHEMICAL COMPANY, Cuyahoga Falls, OH -Customer Service 330-920-8023
EMERGENCY NUMBERS: CHEMTREC 800-424-9300 CANUTEC(Canada) 613-996-6666

SECTION II COMPOSITION / INGREDIENT INFORMATION

| | 647 | OSHA PEL | ACGIH TLV |
|--|-----------|-----------------|-----------------|
| COMPOSITION: acrylonitrile-butadiene copolymer: | 25 -38 % | Not Established | Not Established |
| polyvinyl chloride : | 23 - 38 % | Not Established | Not Established |
| Di 2-ethylhexyl phthalate: | 38 - 44 % | 5.0 mg/m | 5.0 mg/m |
| C.A.S.# - mixture | | | |

SECTION III/IV HAZARDS / FIRST AID PROCEDURES

EMERGENCY OVERVIEW: A light yellow rubbery sheet, which is not normally irritating to eyes and skin. Ingestion and prolonged contact should be avoided. Contains Di 2-ethylhexyl phthalate (DOP) which is regulated as a hazardous chemical in North America in liquid form.

EYE: Flush eyes with water for 15 min. Call a physician if irritation develops.

SKIN: Wash skin with soap and water. If in contact with hot product, treat as a burn.

INGESTION: Do not induce vomiting. Never give anything by mouth to unconscious person. Seek medical attention.

INHALATION: Remove to fresh air; give artificial respiration or oxygen if necessary.

TOXICITY: No significant adverse effects expected. Not considered toxic/hazardous.

CARCINOGENICITY: See Comments on Toxicology and potential carcinogenicity for DOP on page 4.

IN ALL CASES OF EMERGENCY, CONTACT A PHYSICIAN

SECTION V FIRE AND EXPLOSION INFORMATION

FLASH POINT Not Determined

FIRE-FIGHTING PROCEDURES: Use Chemical foam, CO₂, Dry Chemical, water fog. Treat as burning oil.

Keep drums as cool as possible to avoid expansion, explosions, and splattering.

HAZARDOUS COMBUSTION PRODUCTS: This product will decompose under extreme temperatures forming oxides of carbon and nitrogen. It can also produce toxic/corrosive gases under decomposition conditions.

PROTECTIVE EQUIPMENT: Firefighters should wear Self-contained Breathing Apparatus

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SECTION VI SPILLS AND ENVIRONMENTAL INFORMATION

SPILL OR LEAK PRECAUTIONS: Wear appropriate protective clothing, gloves and equipment. Pick up spilled material. Transfer to secure containers and dispose of according to local and state regulations. Thought should always be given to collecting the material in such a manner that it could be recycled. Clean/scrub affected area with detergent. Prevent run-off into sewers or natural waterways. Spills in excess of the RQ must be reported to the local emergency response organizations. Major spills should also be reported to the National Response Center. Spills with potential to contaminate coastal waterways must be reported to the U.S. Coast Guard (800-424-8802)

WASTE DISPOSAL: All containers should be effectively labeled to facilitate the appropriate disposal or reclaim.

SECTION VII HANDLING AND STORAGE

Store in sealed containers in dry, ambient temperature conditions.

SECTION VIII EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION: Use only where sufficient ventilation exists to keep exposure levels of fumes and dust below recommended levels.

RESPIRATORY AND PERSONAL PROTECTION: Respirators should be selected when TWA exceeded. Avoid hot vapors when mixing or packaging. Safety glasses with side shields; gloves, boots and apron as appropriate.

FACILITIES: There should be a shower facility and eyewash in the building where this product is being stored and handled. Exercise good chemical handling practice.

SECTION IX PHYSICAL AND CHEMICAL INFORMATION

Appearance: Yellow rubbery sheet
Specific Gravity @25°C = 1.04 – 1.12
Vapor Pressure: ND
Viscosity cPs (25°C) = Not Applicable

Evaporation Rate: < 1 (butyl acetate=1)
Boiling Point: Not Applicable
Refractive Index 25°C: Not Applicable
Solubility in Water: Not Soluble

SECTION X STABILITY AND REACTIVITY

Under normal storage conditions, this product a) is stable; b) will not polymerize or exotherm; c) should be kept away from extreme heat, strong oxidizers and bases; d) this product decomposes under high temperature and hydrolyses in humid conditions.

SECTION XI TOXICOLOGICAL INFORMATION

See special section on toxicology/carcinogenicity for DOP on page 4

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No information available.

Corporate Office:
140 E. Ascot Lane
Cuyahoga Falls, OH 44223

Tel. 800-991-2436
Tel. 330-920-8023
Fax 330-920-0971

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SECTION XIII

DISPOSAL CONSIDERATIONS

Incineration by a permitted hazardous waste facility in accordance with all regulatory requirements is the preferred method of disposal. Empty containers can be rinsed with a suitable solvent/surfactant and steamed to remove residual product and fumes before disposal or reuse in accordance with applicable regulations. For spill clean-up procedures see Sect.VI.

SECTION XIV

TRANSPORTATION INFORMATION

DOT: Not restricted. Label: Product trade name with chemical description.

CANADA TRANSPORT HAZ.GOODS: Not restricted.

AIR (IATA/ICAO): Not restricted. Label: Product trade name with chemical description.

EUROPEAN TRANSPORTATION: ADR/RID HAZ. CLASS: Not regulated.

US CUSTOMS: - HARMONIZED TARIFF CODE: 4002.59.00.00

SECTION XV

REGULATORY INFORMATION

OSHA: DOP: Hazardous chemical under 29 CFR 1200 (dioctyl phthalate, DEHP)

SARA TITLE III: - 311/312 CATEGORIES: DOP: Immediate health hazard/Delayed health hazard

“ “ - 313 Reportable ingredients: DOP reportable

CERCLA RQ: Not Determined.

RCRA Status:

TSCA REGULATORY: All intentional ingredients are listed in the TSCA Inventory.

CANADA WHMIS HAZARD SYMBOL AND CLASS: Not Regulated

CANADA INGREDIENT DISCLOSURE LIST: Does not contain any ingredients on the IDL. All intentional ingredients are on the DSL.

SECTION XVI OTHER INFORMATION

HMIS Label: Health: 1
Fire: 1
Reactivity: 0
Protection: C

Prepared: Dec. 22, 2008(PCR)

The information presented herein, while not guaranteed, was prepared by technically knowledgeable personnel and to the best of our knowledge is true and accurate. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other or additional considerations.

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COMMENTS OF TOXICOLOGY AND POTENTIAL CARCINOGENICITY OF DOP

The toxicity of DOP (DEHP) has been questioned since the National Cancer Institute (NCI) reported in 1980 that very high levels of DOP caused liver tumors in mice and rats of both sexes in a lifetime feeding study. As a result, the toxicology studies were reviewed and reported to the Consumer Products Safety Commission by the Chronic Hazard Advisory Panel on DOP/DEHP in 1985.

The Chemical Manufacturers Assoc. (CMA) continues to sponsor research on the safety of all phthalates in a program established with the U.S. EPA. The findings so far are briefly summarized below.

DOP and its metabolites are not genotoxic.

DOP appears to belong to a special class of non-genotoxic carcinogens that induce liver enlargement and liver peroxisomal proliferation in mice and rats. These changes may be unique to rodents and may not occur in other animals including man.

DOP metabolism studies have demonstrated significant differences between rats and primates. These studies conducted at the same extremely high doses used in NCI bioassay, caused changes in the livers of rodents, which were not seen at more realistic doses. These data may imply equally significant differences in the susceptibility of these species to the carcinogenic effects of DOP/DEHP.

In summary, the NCI bioassay of DOP at very high dietary levels resulted in a carcinogenic effect that appears unique in rodents. The relevance of this bioassay to lower dose levels in rodents and to humans is seriously questioned.

Components listed as Carcinogens by regulatory agencies:

OSHA: None Listed

IARC: Listed

NTP: Listed

| | | |
|-----------------|--------|--------------|
| Oral LD50 | Rat | 30,600 mg/kg |
| | Mouse | 33,000 mg/kg |
| Eye Irritation: | Rabbit | Slight |
| Skin Irritation | Rabbit | 25 g/kg |