

5/10/2011

1101-1102

M A T E R I A L S S A F E T Y D A T A S H E E T

TEXAS REFINERY CORP.
 840 N. Main Street
 Fort Worth, Texas 76164
 (817) 332-1161
 24 Hr. Emergency Telephone No.: CHEMTREC 800-424-9300

Preparation/Revision Date - May, 2011
 Supersedes - May, 2010

***** I. PRODUCT IDENTIFICATION *****

TRADE NAME - Tireseal
 CHEMICAL FAMILY - Water Based Sealant
 PRODUCT CODE: 1101-1102

***** II. HAZARDOUS INGREDIENTS *****

1. Ethylene Glycol/1,2-ethanediol *
 CAS# 107-21-1 PEL: C 50 ppm** TLV: C 50 ppm ** WT.% < 30
2. Sodium Nitrite/Nitrous acid, Sodium salt*
 CAS# 7632-00-0 PEL/TLV: Not Established WT.% < 2

* This product contains a toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. Each regulated chemical is present at a concentration that does not exceed the above specified upper bound concentration value.
 ** C - denotes ceiling limits

***** III. PHYSICAL/CHEMICAL DATA *****

BOILING POINT (°F/C): 212/100 Approx. SPECIFIC GRAVITY (H₂O=1): 1.05
 VAPOR PRESSURE (mm Hg): Not determined PERCENT VOLATILE BY VOL.: 95
 VAPOR DENSITY (Air=1): Not determined SOLUBILITY IN WATER: Appreciable
 EVAPORATION RATE (Butyl Acetate=1): Not determined
 APPEARANCE AND ODOR - Pink gelatinous material - odorless

***** IV. FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT: None FLAMMABLE LIMITS: N/A
 EXTINGUISHING MEDIA: N/A
 SPECIAL FIRE FIGHTING PROCEDURES: None
 UNUSUAL FIRE AND EXPLOSION HAZARDS: None

| | | | |
|-------|-----------|-----------------|---------------|
| NFPA: | HEALTH: 2 | FLAMMABILITY: 0 | REACTIVITY: 0 |
| HMS: | HEALTH: 2 | FLAMMABILITY: 0 | REACTIVITY: 0 |

***** V. HEALTH HAZARD DATA *****

TLV/PEL: Not established for product - See Section II
 CARCINOGENS - None known
 PRINCIPAL ROUTES OF EXPOSURE - Skin absorption and eye contact
 EFFECTS OF OVEREXPOSURE - May cause mild transient irritation to eyes. Prolonged skin contact may cause irritation. Ethylene glycol may be absorbed through the skin, which may cause damage to the kidneys and depression of the central nervous system. Ingestion may cause abdominal pain and discomfort; may cause transient stimulation of central nervous system followed by depression, vomiting, drowsiness, coma, respiratory failure; may cause kidney damage. Other: Testing of pure ethylene glycol in animal studies has produced teratogenic effects. There is,

5/10/2011

1101-1102

however, no currently available information to suggest that ethylene glycol has caused birth defects in humans. Therefore, ethylene glycol is considered an animal teratogen. EMERGENCY AND FIRST AID PROCEDURES - Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention. Immediately wash skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists after washing. In case of ingestion, get immediate medical attention by contacting a poison control center, emergency treatment center or a physician regarding the swallowing of a product containing ethylene glycol. Do not give anything to an unconscious or convulsing person.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - Pre-existing skin or eye disorders, or impaired kidney function may be aggravated by exposure to this product. NOTES TO PHYSICIAN - None

***** VI. REACTIVITY DATA *****

STABILITY - Stable CONDITIONS TO AVOID - None known
INCOMPATIBILITY (Materials to Avoid) - Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS - Traces of oxides of carbon and nitrogen.
HAZARDOUS POLYMERIZATION - Will not occur

***** VII. PRECAUTIONS FOR SAFE HANDLING AND USE *****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Wear suitable protective equipment. Scoop up and place in disposal containers. Then, if applicable, flush area with water. Keep out of waterways.
WASTE DISPOSAL METHOD - Federal, State and/or Local approved disposal
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE - Store above freezing. Keep containers closed when not in use. Avoid contact with eyes and skin. Do not take internally.
OTHER PRECAUTIONS - Keep out of reach of children.

***** VIII. CONTROL MEASURES *****

RESPIRATORY PROTECTION - Not required
VENTILATION - Not required
PROTECTIVE GLOVES - Rubber gloves
EYE PROTECTION - Shielded safety glasses or chemical goggles if eye contact is possible.
OTHER PROTECTIVE EQUIPMENT - Long sleeve shirt and rubber apron if prolonged or repeated contact is possible.
WORK/HYGIENIC PRACTICES - Observe good personal hygiene practice when handling this material. Wash thoroughly after handling. Wash contaminated clothing before reusing.

***** IX. TRANSPORTATION DATA *****

DOT SHIPPING NAME - N/A DOT HAZARD CLASS - N/A
FREIGHT CLASSIFICATION - Tire puncture sealing compound (NMFC 50317 CLASS 70)

FOR ADDITIONAL INFORMATION CONTACT: Regulatory Affairs Office
(800) 827-0722

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