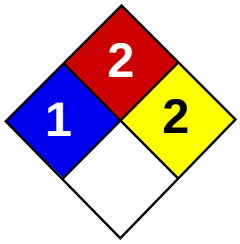

Material Safety Data Sheet
Divinylbenzene, Practical MSDS

Section 1: Chemical Product and Company Identification

Product Name: Divinylbenzene, Practical

Catalog Codes: SLD4015

CAS#: 1321-74-0

RTECS: CZ9370000

TSCA: TSCA 8(b) inventory: Divinylbenzene, Practical

CI#: Not available.

Synonym: Mixture of isomers; Inhibited with p-tert-Butylcatechol. Benzene, diethenyl; Divinyl benzene; Vinylstyrene

Chemical Name: Divinylbenzene

Chemical Formula: C10-H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Divinylbenzene, Practical	1321-74-0	100

Toxicological Data on Ingredients: Divinylbenzene, Practical LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of inhalation (lung irritant). Slightly hazardous in case of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, eyes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Combustible.

Auto-Ignition Temperature: 470°C (878°F)

Flash Points: CLOSED CUP: 61.667°C (143°F). OPEN CUP: 76.1°C (169°F).

Flammable Limits: LOWER: 1.1% UPPER: 6.2%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive in presence of heat.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards:
Explosive polymerization will only occur if material does not contain an inhibitor (stablizer). This material is stabilized with p-tert-Butylcatechol. May polymerize explosively when heated or involved in a fire.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Keep away from direct sunlight or strong incandescent light. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. Avoid shock and friction. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above 8°C (46.4°F). Refrigerate at temperatures between 2 deg. and 8 deg. C.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 10 (ppm) from ACGIH (TLV) [United States] TWA: 10 (ppm) from OSHA (PEL) [United States] TWA: 10 from NIOSH [United States] TWA: 10 (ppm) [United Kingdom (UK)] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 130.2 g/mole

Color: Straw color. (Light.)

pH (1% soln/water): Not applicable.

Boiling Point: 195°C (383°F)

Melting Point: -87°C (-124.6°F)

Critical Temperature: 348°C (658.4°F)

Specific Gravity: 0.9 - 0.93 (Water = 1)

Vapor Pressure: 0.1 kPa (@ 30°C)

Vapor Density: 4.5 (Air = 1)

Volatility: Not available.

Odor Threshold: 10 - 60 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.6

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, acetone.

Solubility:
Slightly soluble in diethyl ether, acetone. Insoluble in cold water, hot water. Soluble in carbon tetrachloride, ethanol, benzene.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Not available.

Special Remarks on Reactivity: Incompatible with metal salts (aluminum chloride, iron chloride), peroxides, and polymer initiators.

Special Remarks on Corrosivity: Not available.

Polymerization:
Will not occur because it is stabilized. Polymerization will occur if this product is not stabilized or if there is insufficient quantity of stabilizer, or if exposed to elevated tempertures (moderately heated or exposed to relatively high ambient temperatures).

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: May cause damage to the following organs: blood, kidneys, liver, eyes.

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant, sensitizer), of inhalation (lung irritant). Slightly hazardous in case of ingestion.

Special Remarks on Toxicity to Animals:
Lethal Dose/Conc 50% Kill: LD50[Rat] - Route: Oral; Dose: 5ml/kg

Special Remarks on Chronic Effects on Humans: May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes mild to moderate skin irritation. Symptoms may include slight erythema, edema, and moderate exfoliation possible followed by moderate skin necrosis. Eyes: Causes mild to moderate eye irritation. Inhalation: Causes mild to moderate respiratory tract irritation. May affect behavior/central nervous system (ataxia, dizziness, lightheadness,lethargy, central nervous system depression, passing out), respiration (dyspnea, alveolar distention with inflammmation of bronchi and alveoli of the lungs). It may also cause rhinitis, peripheral vasodilation, salivation and affect the eyes (bilateral corneal opacity with stromal and epithelial keratitis). Ingestion: May cause gastrointestinal tract irritation. May affect respiration (pneumonconiosis, acute pulmonary edema). Chronic Potential Health Effects: Ingestion/Inhalation: Since the toxicity of Divinylbenzene may resemble that of Styrene, prolonged or repeated ingestion or ingestion may also affect the kidneys, liver, and blood (changes in red and white blood cell count).

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Divinylbenzene, Practical Minnesota: Divinylbenzene, Practical Massachusetts RTK: Divinylbenzene, Practical TSCA 8(b) inventory: Divinylbenzene, Practical

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). CLASS D-2B: Material causing other toxic effects (TOXIC). CLASS F: Dangerously reactive material.

DSCL (EEC):
R36/37/38- Irritating to eyes, respiratory system and skin. S7- Keep container tightly closed. S23- Do not breathe gas/fumes/vapour/spray S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36- Wear suitable protective clothing. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 2

Reactivity: 2

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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