

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Xylene Substitute

SYNONYMS: Xylene Substitute solution

CATALOG CODES: VXS

MANUFACTURER: Volu-Sol

ADDRESS: 5095 West 2100 South
Salt Lake City, UT 84120

EMERGENCY PHONE: (800) 535-5053

OTHER CALLS: (801) 974-9474

FAX: (801) 974-9553

CHEMICAL FAMILY: -

CHEMICAL FORMULA: -

PREPARED BY: Volu-Sol

RECOMMENDED USE: Laboratory chemical, manufacture of substances, histology/cytology reagent


RESTRICTIONS ON USE: Use as recommended

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW:

GHS Classification: Flammable Liquids (Category 4)
Aspiration Hazard (Category 1)

GHS LABEL ELEMENTS:

Pictogram: 

Signal Word: Danger

Hazard Statement(s):

H227 Combustible liquid

H304 May be fatal if swallowed and enters airways

Precautionary Statement(s):

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking

P280 Wear protective gloves/protective clothing/eye protection/face protection

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 Do NOT induce vomiting

P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction

P403+P235 Store in a well-ventilated place. Keep cool

P405 Store locked up

P501 Dispose of contents/container in accordance with local/regional/national regulations

OTHER HAZARDS: -

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
The specific chemical identity and exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.	

SECTION 4: FIRST AID MEASURES

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician

INGESTION: If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Consult a physician

SKIN: May cause skin irritation. Symptoms include redness, drying, defatting and cracking of the skin

EYE: May causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR: Percentage by Volume
Upper: - %
Lower: - %

FLASH POINT: 61 °C (142 °F)

AUTOIGNITION TEMPERATURE: 230 °C (446 °F)

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical

FIRE FIGHTING PROCEDURES: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode

FIRE AND EXPLOSION HAZARDS: Use water spray to keep fire-exposed containers cool

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Scoop up material and place in a disposal container

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Proper grounding procedures to avoid static electricity should be followed. Keep out of reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated area.

INCOMPATIBILITIES: Strong oxidizing agents

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: Reported in a time-weighted average (TWA)

Component	CAS-No.	Reference	OSHA		ACGIH	
			ppm	mg/m³	ppm	mg/m³
Contains no substances with occupational exposure limit values						

VENTILATION SYSTEM: Local and/or general exhaust is recommended to keep exposure below limits. Local exhaust ventilation is preferred for control of the emissions at its source, preventing dispersion into the general work area. Please refer to the ACGIH document, *Industrial Ventilation: A Manual of Recommended Practices*, for details

PERSONAL RESPIRATORS: If exposure limit is exceeded and engineering controls are not feasible, a half-face organic vapor respirator may be worn for up to ten times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier; whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face, positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres

SKIN PROTECTION: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

EYE PROTECTION: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: liquid, clear-blue

ODOR: mild, hydrocarbon

pH: 7

MELTING POINT: -

VAPOR PRESSURE (kPa): -

SPECIFIC GRAVITY: -

MOLECULAR WEIGHT: -

DENSITY: -

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended conditions of use and storage

CONDITIONS TO AVOID: Heat, flames, ignition sources

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: No data available

Skin/Eye Irritation: No data available

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen

ROUTES OF ENTRY: -

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Biodegradable

Soil Release Material No data available

Air Release Material No data available

ENVIRONMENTAL TOXICITY: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. Do not flush to sewer or allow to enter waterways

SECTION 14: TRANSPORT INFORMATION

US DOT	IATA	IMDG/IMO
Shipping Name: Combustible liquid, n.o.s. (Alkanes, C12-14-iso-)	Shipping Name: Combustible liquid, n.o.s. (Alkanes, C12-14-iso-)	Shipping Name: Combustible liquid, n.o.s. (Alkanes, C12-14-iso-)
Hazard Class: 3	Hazard Class: 3	Hazard Class: 3
UN Number: 1993	UN Number: 1993	UN Number: 1993
Packing Group: III	Packing Group: III	Packing Group: III

SECTION 15: REGULATORY INFORMATION

SARA 302	-
SARA 313	-
SARA 311/312 Hazards	Fire hazard, Acute Health Hazard
State	Right to know lists: MA: - PA: - NJ: - California Prop. 65 Components: -

SECTION 16: OTHER INFORMATION

Disclaimer: The information is provided without any representation or warranty, express or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product.