

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Rack Cleaning Solution

SYNONYMS: Rack Clean solution, rack solvent

CATALOG CODES: VRC

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: rack cleaning solution

RESTRICTIONS ON USE: Use as recommended

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW:

GHS Classification:

Flammable Liquids	(Category 4)
Skin Irritation	(Category 2)
Eye Irritation	(Category 2A)
Aspiration Hazard	(Category 1)
Specific target organ toxicity Single Exposure - CNS	(Category 3)

GHS LABEL ELEMENTS:

Pictogram:



Signal Word:

Danger

Hazard Statement(s):

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness

Precautionary Statement(s):

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
P264	Wash skin thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/ eye protection/ face protection
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P304+P340+P312	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P331	Do NOT induce vomiting
P332+P313	If skin irritation occurs: Get medical advice/ attention
P337+P313	If eye irritation persists: Get medical advice/ attention
P362	Take off contaminated clothing and wash before reuse
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P403+P233	Store in a well-ventilated place. Keep container tightly closed
P403+P235	Store in a well-ventilated place. Keep cool
P405	Store locked up
P501	Dispose of contents/container to an approved waste disposal plant

OTHER HAZARDS: -
HMIS Classification:

Health hazard: 1
Chronic health hazard: -
Flammability: 2
Physical hazards: 0

NFPA Rating:
Health hazard: 1
Fire: 2
Reactivity Hazard: 0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO. EC-NO. Index-NO.
Naphtha (pet), hydrotreated heavy AND/OR Distillates (pet), hydrotreated light (90-100%)	64742-48-9/64742-47-8

SECTION 4: FIRST AID MEASURES

INHALATION: Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice

INGESTION: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital

SKIN: If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes. Take off contaminated clothing and shoes immediately

EYE: Immediately flush eye(s) with plenty of water, also under the eyelids for at least 15 minutes. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR:

Percentage by Volume
Upper: 5.5-6%
Lower: 0.6-0.7%

FLASH POINT: 61 - 66 °C (142 - 151 °F), closed cup

AUTOIGNITION TEMPERATURE: 235 - 315 °C

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, alcohol foam. Use water spray to cool fire-exposed containers and disperse vapors

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: Carbon monoxide and unidentified organic compounds may be formed during combustion. Vapors can travel distances to ignition source and flash back. Cool fire exposed containers with water. Fine mist or spray may be flammable at temperatures below the flash point. When heated above the flash point this material emits flammable vapors which, when mixed with air, can burn or be explosive

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: User personal protective equipment. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Material can create slippery conditions. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations. Keep in suitable, closed containers for disposal. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition. Keep away from heat and sources of ignition. Keep away from combustible material. Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions

before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Keep away from heat. No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

INCOMPATIBILITIES: -

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Component	CAS-No.	OSHA		ACGIH	
		ppm	mg/m ³	ppm	mg/m ³
Naphtha (pet), hydrotreated heavy AND/OR Distillates (pet), hydrotreated light	64742-48-9/64742-47-8	500 PEL	2,000 PEL		

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 vapour 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 vapour 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. Use proper glove removal technique to avoid skin contact with this product. Wash and dry hands

EYE PROTECTION: Tightly fitting safety goggles. Face shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: liquid, colorless
ODOR: hydrocarbon-like
SOLUBILITY: -
pH: -
BOILING POINT: 158 - 243.3 °C (316 - 469.9 °F)
MELTING POINT: -
VAPOR PRESSURE: -
SPECIFIC GRAVITY: -
MOLECULAR WEIGHT: -
DENSITY: -
VISCOSITY: -
REFRACTIVE INDEX: -

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended conditions of use and storage
CONDITIONS TO AVOID: Keep away from heat, flames, sparks and other ignition sources
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Acute Toxicity: The substance or mixture has no acute oral toxicity. The substance or mixture has no acute dermal toxicity
 LC50 (Rat): mg/m³ > 5610 Assessment: The component/mixture is low toxic after short term inhalation.

Skin/Eye Irritation: Irritating to skin. Irritating to eyes

Carcinogenicity: IARC: Not listed as a carcinogen

NTP: Not listed as a carcinogen

OSHA: Not listed as a carcinogen

ROUTES OF ENTRY: Skin Absorption

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Toxicity: Toxic to aquatic life. Toxic to aquatic life with long lasting effects
Persistence and degradability: Aerobic/Biodegradation-61%/Exposure Time-28 d
Mobility in soil: No data available
PBT/vPvB Results: No data available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state, and federal regulations. Dispose of wastes in an approved waste disposal facility. Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum

SECTION 14: TRANSPORT INFORMATION

US DOT	IATA	IMDG/IMO
Shipping Name: PETROLEUM DISTILLATES, N.O.S.	Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (MIXTURE OF PETROLEUM DISTILLATES)	Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (MIXTURE OF PETROLEUM DISTILLATES)
Hazard Class: 3	Hazard Class: 9	Hazard Class: 9
UN Number: 1268	UN Number: 3082	UN Number: 3082
Packing Group: III	Packing Group: III	Packing Group: III

MARINE POLLUTANT: Yes

SECTION 15: REGULATORY INFORMATION

SARA 302	-
SARA 313	-
SARA 311/312 Hazards	Fire Hazard, Acute Health Hazard
State	Right to know lists: MA: - PA: 64742-48-9 / 64742-47-8 NJ: 64742-48-9 / 64742-47-8 California Prop. 65 Components: 98-82-8, 71-43-2, 100-41-4, 91-20-3, 108-88-3, 71-43-2

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.