

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name:	Val-U-Clean-VP
Supplier:	ValCool, LLC 5230 Brittmoore Rd Houston, TX77041
Telephone:	(800) 244-9004
Fax:	(888) 695-6449
Email:	support@valcool.com
In case of Emergency:	CHEMTREC 800-424-9300
Product Description	All-purpose alkaline cleaner

SECTION 2: HAZARD IDENTIFICATION

GHS Classification



GHS07
Skin Irrit. 2 - H315 - Causes skin irritation.
Skin Sens. 1B - H317 - May cause an allergic skin reaction.
Eye Irrit. 2B - H320 - Causes eye irritation.

GHS Label

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictogram



GHS07

Signal word Warning

Hazard-determining components of labeling Sodium Metasilicate Petahydrate

Hazard Statement Causes skin irritation.
Causes serious eye irritation.

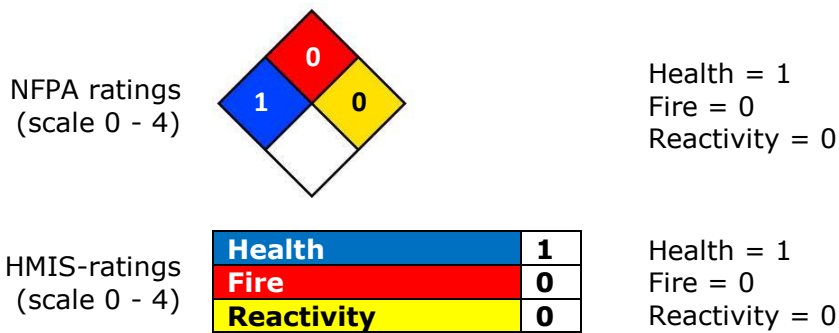
Precautionary statements

Prevention Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves

Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Wash contaminated clothing before reuse.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification System



Other hazards Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Mixture
Description: Mixture of the substances listed below with nonhazardous additions.

Components/Ingredients	CAS No.	%
Sodium Metasilicate Petahydrate	10213-79-3	0.1-≤2.5%

SECTION 4: FIRST AID MEASURES

Eye Contact Rinse opened eye for several minutes under running water.

Skin Contact Wash exposed area with soap and water for at least 15 minutes. Call a physician if rash or other symptoms develop. Launder clothes before reuse.

Ingestion Do not induce vomiting. Seek medical attention immediately.

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

Information for doctor:

Most important symptoms/effects, acute and delayed No further relevant information available.

Description of necessary first aid measures / specific treatments No further relevant information available.



Name: Val-U-Clean-VP
Revision Date: 11/10/2016 – R1

ValCool, LLC
5230 Brittmoore Rd
Houston, TX 77041

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable extinguishing agents Water, Water Spray, Foam, Dry powder, Carbon Dioxide (CO2).

Special hazards arising from the substance or mixture No further relevant information available

Special Fire Fighting Instructions

Full protective clothing and approved self-contained breathing apparatus if necessary for firefighting personnel.

Protective equipment

No special measures required

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions

Avoid runoff to sewers or waterways. Dike to contain spill. Absorbent may facilitate small spills. Absorb with inert material such as sand, earth, or vermaculite.

Methods and materials for containment and cleaning up

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Handling

Precautions for safe handling No special precautions are necessary if used correctly.

Information about protection against explosions and fires Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

Storage

Requirements to be met by storerooms and receptacles Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

Information about storage in one common storage facility Keep container tightly closed in a cool, well-ventilated place. Keep away from source of ignition.

Further information about
storage conditions

Specific end use(s) No further relevant information available.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Additional information about design of technical systems - No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis

Exposure controls

Personal protective equipment

General protective and hygienic measures Wash hands before breaks and at the end of work.

Eye / Face Protection



Goggles recommended during refilling.

Hand Protection



Protective Gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. When contact is likely wear chemical resistant gloves and boots.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, use a NIOSH/MSHA approved air purifying respirator with an organic/amine vapor cartridge when airborne concentrations are expected to exceed exposure limits. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations.

Respiratory protection must be provided in accordance with current local regulations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	Liquid
Color	Light green
Odor	Pleasant
Specific Gravity at 20°C (68°F)	1.04 g/cm ³ (8.679 lbs/gal)
Density	N.D.
Evaporation rate	Not determined
Flash Point	Not applicable
Auto-ignition Temperature	Does not ignite
Danger of explosion	No Danger
Boiling Point / Range	> 200 °C (> 392 °F)
pH- Value at 20 °C (68 °F)	9.7
Solubility in Water	Soluble
Viscosity	
 Kinematic	Not determined
Organic solvents	3.5%
VOC content	(Neat): 15.2 g/L (Working Solutions): 1.5 g/L
Other information	No further relevant information available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No further relevant information available
Chemical Stability	
Thermal decomposition Conditions to Avoid	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known
Conditions to Avoid	No further relevant information available
Incompatibility with other Materials	Do not mix with oxidizers
Hazardous decomposition materials	Carbon Dioxide and Carbon Monoxide and various unidentified organic hydrocarbons

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity

Primary irritant effect

- Eye Contact Product is classified as moderately irritating to the eyes.
- Skin Contact This product is not expected to be toxic in contact with the skin.
- Sensitization Product is classified as moderately irritating to the skin.

Additional toxicological information

Carcinogenic categories

- IARC**
(International Agency for Research on Cancer) None of the ingredients is listed.
- NTP**
(National Toxicology Program) None of the ingredients is listed.
- OSHA-Ca**
(Occupational Safety & Health Administration) None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

- Aquatic toxicity No further relevant information available
- Persistence and degradability No further relevant information available

Behavior in environmental systems

- Bioaccumulative potential No further relevant information available
- Mobility in soil No further relevant information available

Additional ecological information

- General notes Generally not hazardous for water
- Results of PBT and vPvB assessment PBT: Not applicable.
vPvB: Not applicable.
- Other adverse effects No further relevant information available



Name: Val-U-Clean-VP
Revision Date: 11/10/2016 – R1

ValCool, LLC
5230 Brittmoore Rd
Houston, TX 77041

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation Disposal must be made according to official regulations.

Recommended cleansing agent Water, if necessary with cleansing agents.

SECTION 14: TRANSPORT INFORMATION

DOT Classification

UN number Not Regulated

UN proper shipping name Not Regulated

Transport hazard class(es) Not Regulated

Packing group Not Regulated

Environmental Hazards Not applicable.

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

UN "Model Regulation" Not Regulated

SECTION 15: REGULATORY INFORMATION

Sara

Section 355 (extremely hazardous substances) None of the ingredients is listed.

Section 313 (Specific toxic chemical listings) None of the ingredients is listed.

TSCA (Toxic Substances Control Act) None of the ingredients is listed.

Proposition 65

Chemicals known to cause cancer None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females None of the ingredients is listed.

Name: Val-U-Clean-VP
Revision Date: 11/10/2016 – R1

ValCool, LLC
5230 Brittmoore Rd
Houston, TX 77041

Chemicals known to cause reproductive toxicity for males None of the ingredients is listed.

Chemicals known to cause developmental toxicity None of the ingredients is listed.

Carcinogenic categories

EPA (Environmental Protection Agency) None of the ingredients is listed

TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed

NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed

GHS Label

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictogram



GHS07

Signal word Warning

Hazard-determining components of labeling Sodium Metasilicate Petahydrate

Hazard Statement Causes skin and eye irritation.
May cause an allergic skin reaction.

Precautionary statements

Prevention Wear protective gloves.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

Response Wash contaminated clothing before reuse.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations

Chemical safety assessment A Chemical Safety Assessment has not been carried out.



Name: Val-U-Clean-VP
Revision Date: 11/10/2016 – R1

ValCool, LLC
5230 Brittmoore Rd
Houston, TX 77041

SECTION 16: OTHER INFORMATION

Revision Date: 11/10/2016 - 1

Abbreviations and acronyms:

DOT: US Department of Transportation
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B

HMIS:

Disclaimer: The information presented herein has been compiled from sources considered to be dependable and is accurate as of the date issued. However, since data, safety standards, and government regulations are subject to change and the conditions of handling and use are beyond our control, we make no warranty regarding the accuracy of such data or its suitability for any use or for any consequence of its use. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Safe handling and use remains the responsibility of the purchaser and the purchaser has the sole responsibility to determine the suitability of the materials for any use and the manner of user contemplated. We assume no responsibility for injury to the recipient or to third persons or for any damage to any property and the recipient assumes all such risks.