

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product form : Liquid, mixture  
Product name. : Sani-Vak G3  
Product group : Trade product  
Product code : LB-VAKG3/1  
Part number : SP-VAKG3 series

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**1.2.1. Relevant identified uses**

Use of the substance/preparation : Scale removal in vacuum waste lines

**1.2.2. Uses advised against**

No data available

**1.3. Details of the supplier of the safety data sheet**

Celeste Industries Corporation  
8221 Teal Drive, suite 405  
Easton, Maryland 21601 (USA)  
Within USA: (410) 822-5775  
International: 00 (1) 410-822-5775  
e-mail: info@celestecorp.com

**1.4. Emergency telephone number**

Emergency contact number : For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident call CHEMTREC (24 hours) within USA and CANADA: 1-800-424-9300  
Outside USA and Canada (collect call accepted): 1-703-527-3883

**SECTION 2: Hazards identification**

**2.1. Classification of mixture**

**Classification according to CLP Regulation (EC) No 1272/2008**

Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
Acute Tox. 4, H302

Full text of H-phrases: see section 16

**Adverse physicochemical, human health and environmental effects**

No data available

**2.2. Label elements**

**Classification according to CLP Regulation (EC) No 1272/2008**

Hazard Pictogram :



Signal Word : Warning

Hazard Statement : H315 – Causes skin irritation  
: H319 – Causes serious eye irritation  
H302 – Harmful if swallowed

Precaution Statement : P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
: P302 + P350 – IF ON SKIN: Gently wash with plenty of soap and water  
: P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

# Safety Data Sheet

according to Regulation (EC) No. 453/2010

## 2.3. Other hazards

Product may cause skin irritation.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Citric acid	(CAS No.) 77-92-9 (EC no) 201-069-1	< 5%	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Malaic acid	(CAS No.) 617-48-1 (EC no) 201-514-9	< 5%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Accute Tox. 4, H302
Sulfamic Acid	(CAS No.) 7664-93-9 (EC No.) 231-639-5	< 2%	Skin Irrit. 2: H315: 5%≤C<15% Eye Irrit.. 2, H319: 5%≤C<15%

For a full text of phrases, see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : If respiratory irritation occurs upon inhalation, remove to fresh air. Seek medical attention if symptoms develop or persist.
- First-aid measures after skin contact : If splashed or spilled on skin, rinse with plenty of water.
- First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.
- First-aid measures after ingestion : Seek medical attention immediately. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Do not induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after skin contact : Skin areas may become irritated.
- Symptoms/injuries after eye contact : May cause irritation or damage to the eyes.
- Symptoms/injuries after inhalation : May cause chronic nasal passage, throat, or lung irritation if breathed over a prolonged period of time in the form of a mist.
- Symptoms/injuries after ingestion : Ingestion may cause immediate pain and severe burns of the mucous membranes.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media: : Use water spray, foam, dry powder, or CO<sub>2</sub>.
- Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : In case of fire, the following can be released: Carbon oxides (CO<sub>x</sub>), sulphur oxides (SO<sub>x</sub>)
- Reactivity : Keep away from open flames and/or extreme heat.

### 5.3. Advice for firefighters

- Protective equipment for firefighters : Wear proper protective equipment. Extra personal protection: complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Protective equipment : Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.
- Emergency procedures : Avoid contact with skin and eyes. Do not allow the product to be released directly into the environment without proper waste treatment.

#### 6.1.2. For emergency responders

- Protective equipment : Chemical resistant gloves. Use splash goggles when eye contact due to splashing is possible.
- Emergency procedures : Avoid contact with skin and eyes. Do not allow uncontrolled leakage of product into the environment.

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to storm water drains that bypass sewage treatment and public waters.

# Safety Data Sheet

according to Regulation (EC) No. 453/2010

## 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. For large spills, dike with dirt, then remove by vacuum truck for disposal.

## 6.4. Reference to other sections

Refer to sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures: : Provide adequate ventilation.  
Storage condition(s) : Store in dry, cool, well-ventilated area.

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation.  
Personal protective equipment : Chemical resistant gloves. Protective goggles.



Hand protection : Chemical resistant gloves.  
Eye protection : Wear chemical splash goggle.  
Skin and body protection : Protective apron. protective clothing. Wear suitable protective clothing.  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Hazy, thin liquid  
Colour : Amber  
Odour : No data available  
Odour threshold : No data available  
pH : 3 - 4  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : Similar to water  
Freezing point : Similar to water  
Boiling point : 100°C  
Flash point : None (aqueous product)  
Self ignition temperature : No data available  
Decomposition temperature : No data available  
Flammability (solid, gas) : Non-flammable  
Vapour pressure : No data available  
Relative vapour density at 20 °C : No data available  
Relative density : 1.0 – 1.10  
Solubility : Soluble in water  
Log Pow : No data available  
Log Kow : No data available  
Viscosity, kinematic : No data available  
Viscosity, dynamic : No data available  
Explosive properties : Not explosive  
Oxidising properties : Not oxidizing  
Explosive limits : No data available

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according to Regulation (EC) No. 453/2010

## 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

None known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: No significant effects anticipated
Serious eye damage/irritation	: Causes eye irritation pH: 3 - 4
Respiratory or skin sensitisation	: May cause chronic nasal passage, throat, or lung irritation if breathed over a prolonged period of time in the form of a mist
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

No significant harmful effects anticipated.

### 12.2. Persistence and degradability

Soluble in water.

### 12.3. Bioaccumulative potential

The organic part of the product is biodegradable.

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

No data available

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Dispose of contents/container to comply with applicable local, national and international regulations.
Waste disposal recommendations	: Comply with local regulations for disposal. Dispose in approved municipal, industrial and septic systems.

## SECTION 14: Transport information

Not a dangerous good in sense of transport regulations

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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH candidate substance

Other regulations, restrictions and prohibition regulations : Compliance with following regulations: Regulation (EC) 1907/2006 as amended. Regulation (EC) 1272/2008 as amended. Directive 1999/45/EC as amended. Directive 67/548/EEC as amended.

#### 15.1.2. National regulations

No data available

### 15.2. Chemical safety assessment

CSA has not been established

## SECTION 16: Other information

Sources of Key data : SDS, MSDS, ECHA.

Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials . CAS - Chemical Abstracts Service. CLP - Classification, Labelling and Packaging. CSR - Chemical Safety Report. EEC - European Economic Community. EC - European Community. GHS - Globally Harmonised System. HMIS - Hazardous Materials Identification System. MSDS - Material Safety Data Sheet. OSHA - Occupational Safety and Health Administration. Overland transport (ADR). PEL- Permissible Exposure Level. REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. Relat - Relative. SDS - Safety Data Sheet . STEL- Short-Term Exposure Limit . TLV- Threshold Limit Value. TWA- Time Weighted Average.

Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 3	flammable liquids Category 3
Skin Corr. 1B	skin corrosion/irritation Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitisation Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects

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