Sani-Vak G3

Safety Data Sheet

According to the Hazard Communication Standard and the Hazardous Products Regulations (HPR) WHMIS

Issue date: 2024-06-20
Revision date: 2024-06-20
Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form	:	Mixture
Product name	:	Sani-Vak G3
Product code	:	Formula: LB-VAKG3/1 Part No: SP-VAKG3 series

1.2. Recommended use and restrictions on use

Use of the substance/mixture	:	Cleaning agent, Industrial use
Restrictions on use	:	None known

1.3. Supplier

Manufacturer
Celeste Industries Corporation
8007 Industrial Park Road
Easton, Maryland 21601 USA
T 1-410-822-5775
info@celestecorp.com - www.celestecorp.com

Distributor
ITW Permatex Canada
2360 Bristol Circle, Ste 101
Oakville, ON L6H 6M5 - Canada
T 1-800-241-8334

1.4. Emergency telephone number

Emergency 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: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Met. Corr. 1
Skin Corr. 1C
Eye Dam. 1

2.2. GHS Label elements, including precautionary statements

GHS labelling

Hazard pictograms (GHS) :

Signal word (GHS)	:	Danger
Hazard statements (GHS)	:	May be corrosive to metals. Causes severe skin burns and eye damage.
Precautionary statements (GHS)	:	Keep only in original container. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center or doctor.
Absorb spillage to prevent material damage.
Store locked up.
Store in corrosive resistant container with a resistant inner liner.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
Malic acid	Malic acid Butanedioic acid, hydroxy- / Butanedioic acid, 2-hydroxy- / .+-.-Malic acid / DL-Malic acid / 2-Hydroxybutanedioic acid / DL-Hydroxysuccinic acid / MALIC ACID / Malic acid, DL-	CAS-No.: 6915-15-7	1 - 5
Citric acid	Citric acid Anhydrous citric acid / 2-Hydroxypropane-1,2,3-tricarboxylic acid / CITRIC ACID / 1,2,3-Propanetricarboxylic acid, 2-hydroxy- / 2-Hydroxy-1,2,3-propanetricarboxylic acid / Citric acid, anhydrous	CAS-No.: 77-92-9	1 - 5
Sulfamic acid	Sulfamic acid Sulphamic acid / Sulphamidic acid / Aminosulfonic acid / Amido-sulfonic acid / sulfamic acid	CAS-No.: 5329-14-6	1 - 5
Sodium xylenesulfonate	Sodium xylenesulfonate SODIUM XYLENESULFONATE / Dimethylbenzenesulfonic acid, sodium salt / Benzenesulfonic acid, dimethyl-, sodium salt (1:1) / Benzenesulphonic acid, dimethyl-, sodium salt / Xylenesulfonic acid, sodium salt / Xylenesulfonate, sodium / Sodium xylenesulphonate / Sodium dimethylbenzenesulfonate / Benzenesulfonic acid, dimethyl-, sodium salt / Sodium xylene sulfonate	CAS-No.: 1300-72-7	0.5 - 1.5
Sodium 1-octanesulfonate	Sodium 1-octanesulfonate 1-Octanesulfonic acid, sodium salt / Octylsulfonate, sodium / Sodium octanesulphonate / 1-Octanesulfonic acid, sodium salt (1:1) / Sodium octane-1-sulphonate / 1-Octanesulfonate, sodium / Sodium octane-1-sulphonate monohydrate / Sodium octane-1-sulfonate / Sodium caprylyl sulfonate	CAS-No.: 5324-84-5	0.5 - 1.5

Name	Chemical name / Synonyms	Product identifier	%
Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates	Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates C8-10-Alkyl alcohol ethoxylate, phosphate ester / Polyethyleneglycol monoalkyl (C8-10) ether phosphate / Polyethylene glycol mono alkyl (C8-10) ether phosphate / .alpha.-Hydroxy-.omega.-hydroxypoly(oxy-1,2-ethanediyl)alkyl (C8-10) ethers phosphate / C8-10 Alkyl alcohol ethoxylate (4EO), phosphate ester	CAS-No.: 68130-47-2	0.5 - 1.5
Benzenesulfonic acid, C10-16-alkyl derivatives	Benzenesulfonic acid, C10-16-alkyl derivatives Benzenesulphonic acid, C10-16-alkyl derivatives / C10-16-Alkylbenzenesulfonic acid / Alkyl(C10-16)benzenesulfonic acid / Alkyl(C10-16) derivatives of benzenesulfonic acid	CAS-No.: 68584-22-5	0.1 - 1

***Chemical name, CAS number and/or exact concentration have been withheld as a trade secret**

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

First-aid measures after skin contact : If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Causes burns to the respiratory system.

Symptoms/effects after skin contact : Causes severe skin burns. Symptoms may include redness, pain, blisters.

Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media : Do not use water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. Irritating fumes. Oxides of sodium.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.1. For non-emergency personnel

Emergency procedures : Do not touch or walk on the spilled product.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for cleaning up : Absorb spillage to prevent material damage. Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : May be corrosive to metals.

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Provide adequate ventilation.

Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Keep only in original container. Keep out of direct sunlight. Store in corrosive resistant container with a resistant inner liner. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sani-Vak G3
No additional information available

Sodium xylenesulfonate (1300-72-7)

No additional information available

Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, mono-C8-10-alkyl ethers, phosphates (68130-47-2)

No additional information available

Sodium 1-octanesulfonate (5324-84-5)

No additional information available

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)

No additional information available

Malic acid (6915-15-7)

No additional information available

Sulfamic acid (5329-14-6)

No additional information available

Citric acid (77-92-9)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear suitable gloves resistant to chemical penetration. Consult glove manufacturer's product information on material suitability and material thickness.

Eye protection:

Wear eye/face protection

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. SDSs cannot provide detailed and complete respiratory protection guidelines. Selection of respiratory protection must be done by a qualified person who has assessed the work environment.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Amber
Odour : No data available
Odour threshold : No data available
pH : 1.5 – 2.5

Melting point	:	32 °F (0 °C)
Freezing point	:	No data available
Boiling point	:	≈ 212 °F (≈100 °C)
Flash point	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Flammability	:	Not flammable.
Vapour pressure	:	No data available
Relative vapour density at 20°C / 68 °F	:	No data available
Relative density	:	1 – 1.1
Solubility	:	soluble in water.
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive limits	:	No data available
Explosive properties	:	Not explosive.
Oxidising properties	:	Not oxidizing.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use. May be corrosive to metals.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Do not mix with other chemicals. Incompatible materials.

10.5. Incompatible materials

Aluminium. Strong oxidizing agents. Strong bases.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Irritating fumes. Oxides of sodium.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified.
Acute toxicity (dermal)	:	Not classified.
Acute toxicity (inhalation)	:	Not classified.

Sodium xylenesulfonate (1300-72-7)	
LD50 oral rat	≥ 3346 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), 95% CL: 3196 - 3503

Sodium xylenesulfonate (1300-72-7)	
LD50 dermal rabbit	≥ 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity)

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
LD50 oral rat	775 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	2000 mg/kg (Source: CHEMVIEW)
LC50 inhalation rat	> 1.9 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
ATE CA (oral)	775 mg/kg bodyweight
ATE CA (Dermal)	2000 mg/kg bodyweight

Malic acid (6915-15-7)	
LD50 oral rat	3500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rabbit	> 20000 mg/kg bodyweight Animal: rabbit
LC50 inhalation rat	> 1.306 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation))
ATE CA (oral)	3500 mg/kg bodyweight

Sulfamic acid (5329-14-6)	
LD50 oral rat	2140 mg/kg bodyweight Animal: rat, Animal sex: female
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
ATE CA (oral)	2140 mg/kg bodyweight

Citric acid (77-92-9)	
LD50 oral rat	3 g/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg (Source: EU_CLH)
ATE CA (oral)	3000 mg/kg bodyweight

Skin corrosion/irritation : Causes severe skin burns.
pH: 1.5 – 2.5
Based on Corrositex data (OECD TG435)

Serious eye damage/irritation : Causes serious eye damage.
pH: 1.5 – 2.5
Based on Corrositex data (OECD TG435)

Respiratory or skin sensitisation : Not classified.

Germ cell mutagenicity : Not classified.

Carcinogenicity : Not classified.

Sodium xylenesulfonate (1300-72-7)	
NOAEL (chronic, oral, animal/female, 2 years)	≥ 60 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies), Remarks on results: other:

Reproductive toxicity : Not classified.

Sulfamic acid (5329-14-6)	
NOAEL (animal/female, F1)	500 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: EPA OPP 83-4 (Reproduction and Fertility Effects)

STOT-single exposure : Not classified.

Citric acid (77-92-9)	
STOT-single exposure	May cause respiratory irritation.

: Not classified.

STOT-repeated exposure

Sodium xylenesulfonate (1300-72-7)	
NOAEL (oral, rat, 90 days)	763 – 3534 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Sodium 1-octanesulfonate (5324-84-5)	
NOAEL (oral, rat, 90 days)	> 430 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
NOAEL (oral, rat, 90 days)	500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)

Citric acid (77-92-9)	
LOAEL (oral, rat, 90 days)	8000 mg/kg bodyweight Animal: rat
NOAEL (oral, rat, 90 days)	4000 mg/kg bodyweight Animal: rat

Aspiration hazard : Not classified.

Symptoms/effects after inhalation : Causes burns to the respiratory system.

Symptoms/effects after skin contact : Causes severe skin burns. Symptoms may include redness, pain, blisters.

Symptoms/effects after eye contact : Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns.

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

Sodium xylenesulfonate (1300-72-7)	
LC50 - Fish [1]	≥ 1580 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	> 1020 mg/l Test organisms (species): Daphnia magna

Sodium 1-octanesulfonate (5324-84-5)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	421 mg/l Test organisms (species): Daphnia magna

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
LC50 - Fish [1]	3 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static] Source: IUCLID)
EC50 - Crustacea [1]	2.9 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Malic acid (6915-15-7)	
LC50 - Fish [1]	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)

Sulfamic acid (5329-14-6)	
LC50 - Fish [1]	70.3 mg/l Test organisms (species): Pimephales promelas

Sulfamic acid (5329-14-6)	
EC50 - Crustacea [1]	71.6 mg/l Test organisms (species): Daphnia magna
LOEC (chronic)	34 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	19 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 60 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d'

Citric acid (77-92-9)	
LC50 - Fish [1]	1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus Source: OECD_SIDS)
EC50 - Other aquatic organisms [1]	> 50 mg/l Test organisms (species): other aquatic crustacea:

12.2. Persistence and degradability

Sani-Vak G3	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Sani-Vak G3	
Bioaccumulative potential	Not established.

Sodium xylenesulfonate (1300-72-7)	
Partition coefficient n-octanol/water	-3.12 (at 20 °C (at pH 11.96)

Benzenesulfonic acid, C10-16-alkyl derivatives (68584-22-5)	
Partition coefficient n-octanol/water	2 (at 23 °C)

Citric acid (77-92-9)	
Partition coefficient n-octanol/water	-1.72 (at 20 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 14: Transport information

In accordance with DOT / TDG

14.1. UN number

DOT NA No : UN1760
UN-No. (TDG) : UN1760

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Corrosive liquids, n.o.s. (C8-10 Alkyl alcohol ethoxylate, phosphate ester, Sodium 1-octanesulfonate)
Proper Shipping Name (TDG) : CORROSIVE LIQUID, N.O.S. (C8-10 Alkyl alcohol ethoxylate, phosphate ester, Sodium 1-octanesulfonate)

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : 8
Hazard labels (DOT) : 8

TDG
Transport hazard class(es) (TDG) : 8
Hazard labels (TDG) : 8

14.4. Packing group

Packing group (DOT) : III
Packing group (TDG) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Do not handle until all safety precautions have been read and understood.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1 Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

15.2. International regulations

No additional information available

15.3. US State regulations

WARNING: This product can expose you to Strong inorganic acid mists containing sulfuric acid, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

According to the Hazard Communication Standard and the Hazardous Products Regulations (HPR) WHMIS

Revision date : 06/20/2024
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com

Full text of H-statements	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1C	Skin corrosion/irritation, Category 1C