

Velsan SC

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**SECTION 1. IDENTIFICATION****Identification of the company:**

Clariant Corporation  
500 East Morehead Street  
Charlotte, NC, 28202  
Telephone No.: +1 704 331 7000

**Information of the substance/preparation:**

Product Stewardship, +1-704-331-7710  
e-mail: SDS.NORAM@clariant.com

**Emergency tel. number:** +1 800-424-9300 CHEMTREC

**Trade name:** Velsan SC  
**Material number:** 238290

**Primary product use:** Raw material for cosmetics  
Raw material for detergents

**Chemical family:** Sorbitan caprylate

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Substance  
Substance name : Sorbitan, monoctanoate  
CAS-No. : Not Assigned

**Components**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**SECTION 4. FIRST AID MEASURES**

General advice : Remove/ Take off immediately all contaminated clothing.

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- Get medical advice/ attention if you feel unwell.
- If inhaled : Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.
- If swallowed : Get medical attention immediately.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Dry powder  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)
- Further information : Wear full protective clothing and self-contained breathing apparatus.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.  
Ensure adequate ventilation.  
Contain spill. Ensure adequate ventilation and wear appropriate personal protective equipment. Collect onto inert

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absorbent. Place in sealable container. Do not allow to contaminate water sources or sewers.

Environmental precautions : Do not allow contact with soil, surface or ground water. Prevent product from entering drains.

Methods and materials for containment and cleaning up : Prevent product from entering drains. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly.

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## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Observe the general rules of industrial fire protection

Advice on safe handling : Wash thoroughly after handling.

Further information on storage conditions : Store in a cool, dry, well-ventilated area. Keep container sealed when not in use.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

### Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

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Remarks	: Butyl Rubber, PVC Or Neoprene.
Eye protection	: Safety glasses with side-shields
Skin and body protection	: Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
Protective measures	: Observe the usual precautions for handling chemicals.
Hygiene measures	: Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Liquid
Colour	: yellow, to, amber
Odour	: characteristic
Odour Threshold	: not determined
pH	: 5 - 7 Concentration: 50 g/l Method: DIN 19261 Ethanol/Water 1:1
pour point	: 9 °F / -13 °C Method: DIN 51583
Melting point	approx. 14 °F / -10 °C Method: OECD Test Guideline 102
Boiling point	: approx. 603 °F / 317 °C Method: OECD Test Guideline 103 Decomposition
Flash point	: > 392 °F / > 200 °C  Method: DIN EN 22719 / ISO 2719 (closed cup)
Evaporation rate	: not determined
Flammability (solid, gas)	: Not applicable

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Self-ignition	:	no data available
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	ca. 0.0039 Pa (68 °F / 20 °C) Method: OECD Test Guideline 104
Relative vapour density	:	not determined
Relative density	:	no data available
Density	:	approx. 1.125 g/cm <sup>3</sup> (68 °F / 20 °C) Method: OECD Test Guideline 109
Bulk density	:	Not applicable
Solubility(ies)		
Water solubility	:	ca. 2.7 g/l (68 °F / 20 °C) Method: OECD Test Guideline 105
Solubility in other solvents	:	> 1,000 g/l Solvent: 1-octanol
Partition coefficient: n-octanol/water	:	log Pow: ca. 2.55 (73 °F / 23 °C) Method: OECD Test Guideline 107
Auto-ignition temperature	:	> 725 °F / > 385 °C Method: DIN 51794
Decomposition temperature	:	> 610 °F / > 321 °C Heating rate: 3 K/min Method: DSC
Viscosity		
Viscosity, dynamic	:	ca. 563 mPa.s (68 °F / 20 °C) Method: OECD Test Guideline 114
Viscosity, kinematic	:	approx. 500 mm <sup>2</sup> /s (68 °F / 20 °C) Method: OECD Test Guideline 114
Explosive properties	:	Not explosive Method: Expert judgement
Oxidizing properties	:	The substance or mixture is not classified as oxidizing. Method: Expert judgement
Self-heating substances	:	no data available

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Surface tension	:	29.1 mN/m, 1 g/l, 68 °F / 20 °C, OECD Test Guideline 115
Metal corrosion rate	:	< 6.25 mm/a Not corrosive to metals
Minimum ignition energy	:	no data available

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	No decomposition if used as directed.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	:	None known.
Incompatible materials	:	not known
Hazardous decomposition products	:	When handled and stored appropriately, no dangerous decomposition products are known

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Skin contact

Eye contact

**Acute toxicity****Product:**

Acute oral toxicity	:	LD50 (Rat, female): > 2,000 mg/kg Method: OECD Test Guideline 423 Assessment: The substance or mixture has no acute oral toxicity
Acute inhalation toxicity	:	Remarks: Not relevant
Acute dermal toxicity	:	Remarks: no data available

**Skin corrosion/irritation****Product:**

Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

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**Serious eye damage/eye irritation****Product:**

Species: Rabbit

Result: No eye irritation

Method: OECD Test Guideline 405

**Respiratory or skin sensitisation****Product:**

Test Type: Local lymph node assay (LLNA)

Species: Mouse

Method: OECD Test Guideline 429

Result: Not a skin sensitizer.

**Germ cell mutagenicity****Product:**

Genotoxicity in vitro

: Test Type: Ames test  
Test system: Salmonella typhimurium  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Test Type: Mammalian cell gene mutation assay  
Test system: Chinese hamster fibroblasts  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

Test Type: Chromosome aberration test in vitro  
Test system: Chinese hamster fibroblasts  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: positive

Genotoxicity in vivo

: Test Type: Micronucleus test  
Species: Mouse (male)  
Strain: NMRI  
Application Route: Oral  
Method: OECD Test Guideline 474  
Result: negative

Germ cell mutagenicity -  
Assessment

: Weight of evidence does not support classification as a germ  
cell mutagen.

**Carcinogenicity****Product:**

Species: Rat, (male and female)

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Exposure time: 2 years  
NOAEL: 10,000 mg/kg bw/day  
Method: Other  
Remarks: By analogy with a product of similar composition  
No significant adverse effects were reported

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity****Product:**

Effects on foetal development : Test Type: reproductive and developmental toxicity study  
Species: Rat  
Strain: wistar  
Application Route: oral (feed)  
Developmental Toxicity: NOAEL: 5,000 mg/kg body weight  
Method: OECD Test Guideline 416  
Remarks: By analogy with a product of similar composition

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

**STOT - single exposure****Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure****Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity****Product:**

Species: Rat, male and female



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NOAEL: 1000 mg/kg bw/day  
Application Route: oral (gavage)  
Exposure time: 28 d  
Dose: 0, 40, 200, 1000 mg/kg/d  
Method: OECD Test Guideline 407

**Aspiration toxicity****Product:**

no data available

**Experience with human exposure****Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

**Further information****Product:**

Remarks: no data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 40.1 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): 79.8 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201
- Toxicity to fish (Chronic toxicity) : Remarks: no data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: no data available

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**Persistence and degradability****Product:**

Biodegradability : Inoculum: activated sludge, non-adapted  
Result: Readily biodegradable.  
Biodegradation: 88 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

Test Type: anaerobic  
Inoculum: Other  
Concentration: 172.5 mg/l  
Result: Biodegradable  
Biodegradation: 40 - 50 %  
Method: OECD Test Guideline 311

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

**Mobility in soil****Product:**

Distribution among environmental compartments : Remarks: no data available

**Other adverse effects****Product:**

Additional ecological information : no data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

RCRA - Resource Conservation and Recovery Act : This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code : NONE

Waste from residues : Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

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**SECTION 14. TRANSPORT INFORMATION**

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DOT	not restricted
IATA	not restricted
IMDG	not restricted

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**SECTION 15. REGULATORY INFORMATION****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : No SARA Hazards

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Water Act**

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

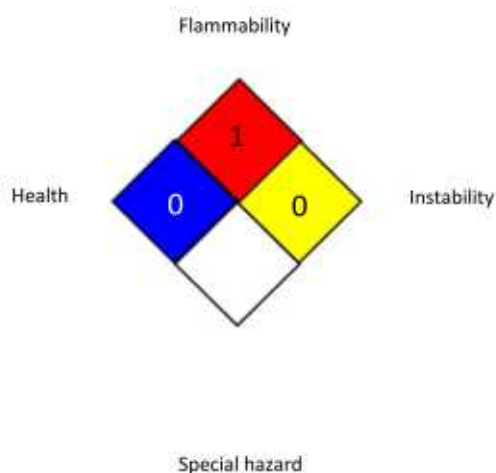
**The components of this product are reported in the following inventories:**

TSCA : All components of this product are listed on the TSCA Inventory. However, the primary use of this product is NOT subject to TSCA but rather to FDA and must comply with the FDA regulations., All components are compliant with the TSCA Inventory Notification (Active) rule.

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**SECTION 16. OTHER INFORMATION**

**Further information**

**NFPA 704:****Full text of other abbreviations**

AllC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-

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Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Observe national and local legal requirements

Avoid contact with skin and eyes.

Wear suitable protective equipment.

Wash thoroughly after handling.

Warning

This product is not listed on the TSCA Inventory. It is to be used as a cosmetic ingredient only.

Any other use will subject the user to penalties under the Toxic Substances Control Act and the regulations issued thereunder.

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