



Safety Data Sheet

Issuing Date 11-Aug-2015

Revision Date 11-Aug-2015

Revision Number 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name CleanSafe™ 787C

Other means of identification

Product Code AC787C

UN-No UN3266

Recommended use of the chemical and restrictions on use

Recommended Use Aqueous Cleaner.

Uses advised against FOR INDUSTRIAL USE ONLY

Details of the supplier of the safety data sheet

Manufacturer Address Vantage Specialties, Inc.

3938 Porett Drive

Gurnee, IL 60031 USA

847-244-3410

Emergency Telephone Number

Emergency Telephone Number CHEMTREC International +1-703-527-8887

CHEMTREC USA: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/irritation

Category 1

Serious eye damage/eye irritation

Category 1

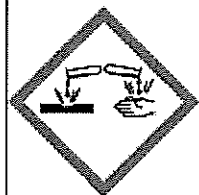
Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard statements

Causes severe skin burns and eye damage



Color Colorless

Physical State Liquid

Odor Mild

Precautionary Statements - Prevention

Wear protective gloves/protective clothing/eye protection/face protection

Avoid breathing mist or spray.

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/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation

occurs: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposed or concerned: Get medical advice/attention

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container in accordance with applicable regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Weight %
Anionic surfactant	Proprietary	10 - 20
Sodium silicate	1344-09-8	5 - 10
Potassium carbonate	584-08-7	1 - 5
Sodium hydroxide	1310-73-2	0.1 - 1

4. FIRST AID MEASURES

FIRST AID MEASURES

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Skin contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms

Irritation or pain in contact with skin or eyes.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures appropriate to local circumstances and surrounding materials.

Unsuitable extinguishing media

None identified.

Hazardous combustion products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment. Avoid contact with skin, eyes, and clothing.

Environmental precautions

Environmental precautions Prevent release to surface water.

Methods and material for containment and cleaning up

Methods for Containment Dike to collect large liquid spills.

Methods for Cleaning Up Absorb with inert material and transfer to containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Wear personal protective equipment. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Keep container tightly closed in a dry and well-ventilated place. Store locked up.

Incompatible materials Strong acids. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	n/a	TWA: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

Appropriate engineering controls

Engineering Measures Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/face Protection Safety glasses with side-shields, Goggles, Face-shield.

Skin and Body Protection Impervious gloves, Long sleeved clothing.

Respiratory Protection Wear suitable personal respiratory protection in case of exposure to mist, spray, or aerosol.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild
Appearance	Clear		
Color	Colorless		

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Property	Values	Remarks • Method
pH	11 - 12	-
Melting point/freezing point		
Boiling point/boiling range	> 100 °C / 212 °F	
Flash Point	None to boiling	
Evaporation Rate		Not determined
Flammability (solid, gas)		Not flammable
Flammability Limits in Air		Not determined
Upper flammability limits		
Lower Flammability Limit		
Vapor pressure		Not determined
Vapor Density		Not determined
Specific Gravity	1.08	@ 25°C
Water Solubility	Soluble	
Solubility in other solvents		Not determined
Partition coefficient		Not determined
Autoignition Temperature		Not determined
Decomposition temperature		Not determined
Kinematic viscosity		Not determined
Dynamic viscosity		Not determined
Explosive Properties	None	
Oxidizing Properties	None	

Other Information

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Not reactive
<u>Remarks</u>	
<u>Chemical stability</u>	Stable under recommended storage conditions.
<u>Possibility of Hazardous Reactions</u>	
<u>Hazardous Reactions</u>	None under normal processing.
<u>Conditions to Avoid</u>	Extremes of temperature and direct sunlight
<u>Incompatible materials</u>	Strong acids. Strong oxidizing agents.
<u>Hazardous Decomposition Products</u>	
<u>None identified.</u>	

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Inhalation of aerosol or mist may cause irritation of the respiratory tract.
Eye contact	May cause irreversible damage to eyes.
Skin contact	May cause burns.
Ingestion	Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Anionic surfactant	> 2,000 mg/kg (rat)	-	-
Sodium silicate 1344-09-8	= 1153 mg/kg (Rat)	> 4640 mg/kg (Rabbit)	-
Potassium carbonate	= 1870 mg/kg (Rat)	>2000 mg/kg (Rat, REACH KEY)	-

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584-08-7			
Sodium hydroxide 1310-73-2	-	1350 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms Irritation or pain in contact with eyes or skin.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No known hazard.
Mutagenic Effects No known hazard.
Carcinogenicity Contains no listed human carcinogens at greater than 0.1%.

Reproductive Toxicity No known hazard.

Developmental Toxicity No known hazard.
Teratogenic No known hazard.
Neurological effects No known hazard.
Aspiration hazard No known hazard.

Numerical measures of toxicity-Product Information Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

This mixture has not been assessed for aquatic toxicity.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sodium silicate 1344-09-8		LC50 301 - 478 mg/L Lepomis macrochirus 96 h LC50= 3185 mg/L Brachydanio rerio 96 h		
Sodium hydroxide 1310-73-2		LC50= 45.4 mg/L Oncorhynchus mykiss 96 h		

Persistence and degradability

No data available.

Bioaccumulation/Accumulation

No data available

Mobility

Will likely be mobile in the environment due to its water solubility.

Other Adverse Effects

May be harmful if a significant amount is released to surface water.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of in accordance with applicable regulations.

Contaminated Packaging Dispose of in accordance with applicable regulations.

14. TRANSPORT INFORMATION

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DOT

UN-No	UN3266
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium silicate)
Hazard Class	8
Packing Group	III

TDG

UN-No	UN3266
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium silicate)
Hazard Class	8
Packing Group	III

MEX

UN-No	UN3266
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium silicate)
Hazard Class	8
Packing Group	III

IATA

UN-No	UN3266
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium silicate)
Hazard Class	8
Packing Group	III

IMDG / IMO

UN-No	UN3266
Proper Shipping Name	Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium silicate)
Hazard Class	8
Packing Group	III

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
EINECS	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

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CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

U.S. State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hydroxide 1310-73-2	X	X	X
16. OTHER INFORMATION			

<u>NFPA</u>	Health Hazard 3	Flammability 1	Instability 0	Physical and Chemical Hazards n/a
<u>HMIS</u>	Health Hazard 3	Flammability 1	Physical hazards 0	Personal Precautions C

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Revision Note
Reason for Revision Update to supplier identity/logo

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of MSDS

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