

1. IDENTIFICATION

Product Identifier
Product Name SSS Navigator #3x Renegade Daily One-Step Disinfectant RTU

Other means of identification
SDS # 13215

Recommended use of the chemical and restrictions on use
Recommended Use Disinfectant

Details of the supplier of the safety data sheet

 Manufactured for
 Triple S
 2 Executive Park Drive
 Billerica, MA 01862
 www.triple-s.com

Emergency Telephone Number
Company Phone Number 1-978-667-7900

Emergency Telephone (24 hr) 1-888-779-1339

2. HAZARDS IDENTIFICATION

Appearance Yellow Liquid

Physical State Liquid

Odor Lemon

GHS Classification

 Flammable liquids : Category 1
 Acute toxicity (Oral) : Category 2
 Skin corrosion : Category 1B
 Serious eye damage : Category 1

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements :

 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.

Precautionary statements : **Prevention:**
P210 Keep away from heat/sparks/open flames/hot surfaces. No Smoking.
P233 Keep container tightly closed.

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 + P310 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.
P363 Wash contaminated clothing before reuse.
P370 + P378 In case of fire: Use dry sand, dry chemical or alco-hol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components

Chemical Name	CAS-No.	Concentration (%)
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1	< 1
Ethanol	64-17-5	< 1
Dimethyldioctylammonium chloride	5538-94-3	< 1
Sodium metasilicate pentahydrate	10213-79-3	< 1

4. FIRST-AID MEASURES

First Aid Measures

Inhalation : Move to fresh air
If breathing is irregular or stopped, administer artificial respiration Give oxygen
First aider needs to protect himself.
Call a physician immediately

In case of skin contact	: Take off all contaminated clothing immediately. After contact with skin, wash immediately with plenty of soap and water. Call a physician immediately.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
If swallowed	: Call a physician immediately. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Suitable extinguishing media : Dry powder
Water spray
Foam

Specific Hazards Arising from the Chemical

Heating or fire can release toxic gas.

Further information: Use water spray to cool unopened containers.

Protective equipment and precautions for firefighters

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Environmental Precautions

General advice

Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

:Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. HANDLING AND STORAGE

Advice on Safe Handling Avoid contact with skin and eyes.
 Provide sufficient air exchange and/or exhaust in work rooms.

Conditions for safe storage

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place. Store containers upright.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	STEL	1,000 ppm	ACGIH
		REL	1,000 ppm 1,900 mg/m ³	NIOSH/GUIDE
		PEL	1,000 ppm 1,900 mg/m ³	OSHA_TRANS
		TWA	1,000 ppm 1,900 mg/m ³	Z1A
		STEL	1,000 ppm	CAD ON OEL

Hazardous components without workplace control parameters

Components	CAS-No.
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	68424-85-1
Dimethyldioctylammonium chloride	5538-94-3
Sodium metasilicate pentahydrate	10213-79-3

Appropriate engineering controls

Personal protective equipment

Hand protection

Material : Nitrile rubber
 Rate of permeability : > 480 min

Eye protection

: Tightly fitting safety goggles
 Face-shield

Hygiene measures

: Wash hands before breaks and immediately after handling the product.
 Avoid contact with skin, eyes and clothing.
 Remove and wash contaminated clothing and gloves, including the inside, before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Yellow liquid	Odor	Lemon
Color	Yellow	Odor Threshold	Not determined
Property	Values	Remarks • Method	
pH	7.0 – 9.0		
Melting Point/Freezing Point	Not Applicable		n
Boiling Point/Boiling Range	Not determined		
Flash Point	< 212°F		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	Not Applicable		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not Applicable		
Vapor Density	Not determined		
Specific Gravity	1.037	(1=Water)	
Water Solubility	soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

10. STABILITY AND REACTIVITY

Possibility of hazardous reactions	: None known.Stable
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Eyes Skin Ingestion
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Skin corrosion/irritation

Skin contact : Can cause burns

Inhalation : Avoid inhalation of vapors

Serious eye contact damage/eye irritation

Eye irritation :Corrosive

Carcinogenicity

IARC Human carcinogen.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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.

ACGIH Confirmed animal carcinogen with unknown relevance to humans.

The following toxicological data refer to:

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS-No.: 68424-85-1)

Acute toxicity

Acute oral toxicity (LD50) :ca. 344 mg/kg
Species: Rat

Acute dermal toxicity (LD50) :ca. 3,340 mg/kg
Species: Rabbit
Exposure time: 24 h

Skin corrosion/irritation

Skin irritation :Corrosive
Species: Rabbit
Exposure time: 24 h
Method: DOT

Serious eye damage/eye irritation

Eye irritation :Corrosive
Species: Rabbit
Method: DOT

Respiratory or skin sensitisation

Sensitisation : Test Type: Buehler Test
Species: Guinea pig
Assessment: Did not cause sensitisation on laboratory animals.
Method: OECD Test Guideline 406
Result: not sensitizing
GLP: yes

Germ cell mutagenicity

Genotoxicity in vitro : negative

Ames test, Salmonella typhimurium
Metabolic activation: yes Method: OECD Test Guideline 471
GLP: yes

negative

Chromosome aberration test in vitro, Human lymphocytes Metabolic activation: yes Method: OECD Test Guideline 473 GLP: yes

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not available

Persistence/Degradability

Not determined.

Bioaccumulation potential

Component Information

Ethanol

Partition coefficient: n-octanol/water : log Pow: -0.3

Mobility in soil

no data available

Other adverse effects

Ozone-Depletion Potential : Regulation: US. EPA Clean Air Act (CAA) Section 602 Ozone-Depleting Substances (40 CFR 82, Subpt. A, App A & B)
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : There is no data available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

Not Regulated

15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals.

Signal word	:DANGER!
Hazard statements	:Harmful if swallowed. Harmful if absorbed through skin. Corrosive. Causes skin burns. Corrosive. Causes irreversible eye damage.
EPA No.	:6836-349

EPCRA - Emergency Planning and Community Right-to-Know Act

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 311/312 Hazards : Acute Health Hazard

SARA 302

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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 Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or

Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

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

US State Regulations

Massachusetts Right To Know

Ethanol 64-17-5

Pennsylvania Right To Know

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 68424-85-1

Ethanol 64-17-5

New Jersey Right To Know

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides 68424-85-1

Ethanol 64-17-5

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

Ethanol 64-17-5

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ethanol 64-17-5

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

TSCA : Product falls under research and development.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

16. OTHER INFORMATION

Issue Date: 11-Nov-2016

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 Safety Data Sheet