

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Navigator ACE 256
Generic Name: Neutral Disinfectant & Detergent
Chemical Family: Quaternary Detergent Blend
Formula: Proprietary
EPA Reg. No.: 10324-141-12120
Product Number: 48261

Manufactured for: Triple S
Address: 2 Executive Park Drive Billerica, MA 01862
Phone #: 800-323-2251

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
n-Alkyl Dimethyl Benzyl Ammonium Chloride	8001-54-5	6.76			
Didecyl Dimethyl Ammonium Chloride	7173-51-5	10.14			
Nonylphenol Ethoxylate	9016-45-9	0 to 5			
Tetrasodium salt of EDTA	64-02-8	0 to 5			
Perfume Oils	N/A	0 to 5			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.
Vapor Pressure: 20mm Hg @ 68 F.
% Volatile: 80+
Solubility in Water: Complete
Physical Description: Thin dark blue liquid with characteristic odor.

Specific Gravity: 1.005 – 1.010
Vapor Density (Air=1): >1
pH: 6.5 – 8.5

Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None
Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable.
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazards Decomposition Products: Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, amines, and oxides of carbon and nitrogen

Hazardous Polymerization: None
Incompatibility (Materials to Avoid): Strong oxidizing or reducing agents

SECTION 6-STORAGE AND HANDLING INFORMATION

DANGER: KEEP OUT OF REACH OF CHILDREN. Corrosive. Causes irreversible eye damage and skin burns. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing spray mist. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash clothing before reuse. EPA registered product, follow direction exactly. Avoid breathing of mists. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:

Skin: Severe skin irritant. Prolonged or repeated contact may burn and/or irreversible damage.
Eyes: Severe eye irritant. Liquid and mists may injure the eyes, causing corneal burns/damage.
Inhalation: N/A
Ingestion: Irritating to the mouth, throat, and gastrointestinal system. Burning, pain, severe swelling of larynx; skeletal muscle paralysis, drowsiness.
First Aid Procedures:

Skin: Remove contaminated clothing. Immediately flush affected areas with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open, for at least 15 minutes. Seek medical attention immediately.
Inhalation: Remove to fresh air and monitor. Seek medical attention.
Ingestion: Give large quantities of milk or water. Do not induce vomiting. Seek medical attention immediately.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage. Supplemental oxygen and other measures to support breathing may be needed to combat circulatory shock.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation Requirements: No special requirements.
Protective Gloves: Chemical resistant rubber or neoprene.
Eye Protection: Chemical splash goggles or full-face shield.
Other Protective Equipment: Eyewash station should be provided nearby. Wear protective rubber footwear when using on floors.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: EPA registered pesticide. Any method in accordance with local, state and federal laws governing such. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Triple rinse container thoroughly before discarding in trash. See container label for additional instructions.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:

No - Fire Hazard
 No - Sudden Release of Pressure Hazard
 No - Reactivity Hazard
 Yes - Immediate (acute) Health Hazard
 No - Delayed (chronic) Health Hazard

Shipping Information:

FOR CONTAINERS > 1 Gallon: Corrosive liquid, basic, Organic, N.O.S. (Quaternary Ammonium Compound), 8, UN3267, PGIII
 FOR 1 GALLON CONTAINERS : Cleaning Compound LQ
 FOR CONTAINERS < 1 GALLON : Cleaning Compound LQ

HMIS Hazardous Materials Identification System

Health	3
Flammability	0
Reactivity	0
Personal Protection	D

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: ER# 888-779-1339 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product.

MATERIAL SAFETY DATA SHEET

Prepared by: Regulatory Affairs Dept.

(Prepared According to 29 CFR 1910.1200)

N/A=Not Applicable
Effective Date: 6/13 Revision: n/a

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Ready-To-Use #61 Ace 256 Neutral Disinfectant & Detergent
Generic Name: Disinfectant Cleaner
Chemical Family: Detergent Blend
Formula: Proprietary
Triple S Product No.: 48261

Manufactured For: Triple S
Address: 2 Executive Park Drive Billerica, MA 01862
Phone #: 800-323-2251

SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
n-alkyl dimethyl benzyl ammonium chloride	68391-01-5	660 ppm			
n-alkyl dimethyl ethylbenzyl ammonium chloride	68956-79-6	660 ppm			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 212 F. **Specific Gravity:** 1.000
Vapor Pressure: 20mm Hg @ 68 F. **Vapor Density (Air=1):** >1
% Volatile: 99+ **pH:** 7.0 – 7.5
Solubility in Water: Complete **Evaporation Rate (Water=1):** 1
Physical Description: Thin light yellow liquid with pleasant odor

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A **Lower Explosion Limit:** N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable **Hazardous Polymerization:** None
Hazards Decomposition Products: Will not occur. **Incompatibility (Materials to Avoid):** None

SECTION 6-STORAGE AND HANDLING INFORMATION

WARNING Eye and skin irritant. Avoid contact with eyes, skin and clothing. Avoid breathing of mists. Keep out of reach of children. For use by trained personnel only. Keep container closed during storage. For institutional and industrial use only.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Irritating to skin. Pre-existing conditions such as dermatitis may be aggravated by prolonged or repeated contact.
Eyes: Irritating to eyes. May cause redness or swelling, permanent damage.
Inhalation: Inhalation of mists will cause coughing, irritation to nose, throat and lungs.
Ingestion: Harmful or fatal if swallowed. Irritating to the mouth, throat, and gastrointestinal system in large quantities.
First Aid Procedures:
Skin: Flush with large quantities of water. Seek medical attention if irritation develops.
Eyes: Flush with large quantities of water. Seek medical attention immediately.
Inhalation: Remove victim to fresh air. Seek medical attention immediately.
Ingestion: Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: No special requirements.
Ventilation Requirements: No special requirements
Protective Gloves: Rubber gloves recommended
Eye Protection: Protective eyewear or chemical goggles recommended where spray/mist contact may occur.
Other Protective Equipment: N/A

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to storm sewer or open waterways.
Waste Disposal Method: EPA registered pesticide. Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:
 No - Fire Hazard
 No - Sudden Release of Pressure Hazard
 No - Reactivity Hazard
 Yes - Immediate (acute) Health Hazard
 No - Delayed (chronic) Health Hazard

Shipping Information:
 FOR CONTAINERS > 1 Gallon : Cleaning Compound
 FOR 1 GALLON CONTAINERS : Cleaning Compound
 FOR CONTAINERS < 1 GALLON : Cleaning Compound

HMIS Hazardous Materials Identification System

Health	1
Flammability	0
Reactivity	0
Personal Protection	A

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: ER# 888-779-1339

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product