

MATERIAL SAFETY DATA SHEET

#5405

Section One Product and Company Information

Product Name: TOP OPTION H.D. ALL PURPOSE CLEANER **Date:** February 13, 2012 (version 2)
Distributed by: Mission Janitorial Supplies 9292 Activity Road San Diego, CA 92126-4425 **CAS#:** Mixture **Formula:** 533N-09A
Product Technical Information: 1-816-233-1321, ext. 8285
Medical/Handling Emergency: 1-816-233-1321, ext. 8285
Transportation Emergency: Chemtrec 1-800-424-9300 (Only in the event of a chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals)

Section Two Composition/Information on Ingredients

Components	CAS#	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
(Specific Chemical Identity: Common Name(s))					
Water	7732-18-5	none	none	N/A	---
Sodium Metasilicate ⁽¹⁾	6834-92-0	N/E	N/E	2 mg/m ³	3-8
Sodium Carbonate	497-19-8	N/E	N/E	N/A	---
Akyl imino acid, sodium salt	64972-19-6	N/E	N/E	N/A	---
Complex Blend of Surfactants	68991-48-0, 68439-46-3	N/E	N/E	N/A	---

(1)Exposure may be evaluated as ceiling for Sodium hydroxide per OSHA: PEL = 2 mg/m³ or TLV = 2 mg/m³.

N/A= Not Applicable N/E= Not Established

Section Three Hazards Identification

(1. Acute and 2. Chronic)

1. According to Primary Skin Irritation Test (FHSA), product concentrate is not a primary skin irritant. Product concentrate may induce moderate skin irritation on prolonged exposure; Eye Irritation Test (FHSA) = eye irritant. Product concentrate may induce eye corrosion on prolonged exposure. When tested as specified this product was not considered to be a UN/DOT corrosive at 4 hours. Harmful if swallowed.
2. Inhalation of fine fog mist can cause irritation of mucous membranes. Fine fog mist application is not recommended.

Section Four First Aid Measures

Signs and Symptoms of Exposure: Direct eye contact can cause irritation; prolonged skin contact may cause moderate irritation. Ingestion may cause irritation to mouth, throat and stomach. May cause gastric tract disorder.

Medical Conditions Generally Aggravated by Exposure: Skin problems such as dermatitis may be aggravated by exposure to concentrated product.

Emergency and First Aid Procedures: **Eyes:** In case of contact, immediately flush eyes with plenty of water for 15 minutes. For eyes, GET PROMPT MEDICAL ATTENTION IMMEDIATELY. **Skin:** Flush skin with plenty of water for 15 minutes. If skin irritation persists, get medical attention. **Ingested:** If swallowed, immediately give large amounts of water and call a physician.

Section Five Fire Fighting Measures

Flash Point (Method): None to boiling (Tag Closed Cup)

Flammable Limits: LEL = N/E UEL = N/E

Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray

Special Fire Fighting Procedures: None known to manufacturer.

Unusual Fire and Explosion Hazards: N

Section Six Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Absorb large spills with floor dry material (see disposal below). Small spills: Flush with water and pick up with mop or wet vacuum.

Waste Disposal Method: Dispose of in accordance with state or local regulations. Do not dispose of in storm drains or streams; monoethanolamine is toxic to fish.

Section Seven Handling and Storage

Handling: Keep away from children.

Storage: Store in original container in a cool, dry, well-ventilated area away from sources of ignition. Store away from food or feed. Containers should be kept tightly closed when not in use. Keep in an area inaccessible to small children.

Other Precautions: Avoid breathing of vapors or fine fog mist. Use with adequate ventilation. Open windows and doors, use exhaust fans or other means to insure fresh air entry during application and drying. Refer to OSHA STANDARD 29 CFR 1910.94 for technical guidelines on keeping air contamination below applicable exposure limits. Wash thoroughly after handling. Keep container closed when not in use. Do not get in eyes, on skin or on clothing. Do not take internally. This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning & Community Right to Know Act of 1986 and 40 CFR Part 372.

Section Eight Exposure Controls/Personal Protection

Personal Protective Equipment: **Respiratory:** None normally required. Ventilate to keep air below TLV on metasilicate. **Local exhaust=** Recommended.

Mechanical (General) = Recommended. **Special** = N/A. **Other** = N/A. **Gloves:** Impervious gloves when working with concentrate. **Eye Protection:** Chemical goggles when splashing with concentrate is a concern. **Other Protective Clothing or Equipment:** Not usually necessary. **Work/Hygienic Practices:** Wash hands thoroughly after handling.

*Section Nine Physical/Chemical Properties

Boiling Point	215° F	*pH(concentrate)	13 - 14	Color	Clear, orange liquid
Specific Gravity	1.08	Odor	lemon odor	Solubility in Water	Complete
*Density	8.48 lb/gal.	Vapor Pressure (mm Hg)	17.6	Vapor Density (AIR=1)	0.6
% Volatile by Weight	94.50 - 95.50	Evaporation Rate (ethyl ether=1)	Slower than 1		

Section Ten **Stability and Reactivity**

Stability: This product is stable at ambient temperatures and atmospheric pressures. It is not self-reactive and has a shelf life of at least two years under sealed conditions. Conditions to avoid are temperatures above 130° F or below 32° F. **Hazardous Decomposition Products:** When exposed to fire, produces normal products of combustion. **Dangerous Polymerization:** Will not occur. **Conditions to avoid:** None known to manufacturer
Incompatibility (Materials to Avoid): Strong oxidizing agents. Do not use with aluminum equipment at temperatures above 120°F.

Section Eleven **Toxicology Information**

Acute Toxicity: This product has not been evaluated for its acute toxicology profile.

Chronic Toxicity: This product has not been evaluated for its chronic toxicology profile.

Carcinogenicity: This product does not contain a listed carcinogen from NTP, ACGIH, NIOSH or IARC.

Irritation: This product can be expected to be a skin and eye corrosive. No skin sensitization data is currently available.

Section Twelve **Ecology Information**

Ecotoxicity: The ecological toxicity of this product is not known.

Section Thirteen **Disposal Considerations**

Waste Disposal: Waste from normal use may be sewered to a public-owned treatment works in compliance with applicable federal, state and local requirements. Empty containers should be triple rinsed and offered for recycling or reconditioning, or disposed of in a sanitary landfill or for small containers (1 gallon or less), may be wrapped and discarded in trash. Waste generators are required to evaluate all waste material to determine if it is hazardous by characteristics or listing for compliance with RCRA and any local disposal procedures and regulations. NOTE: State and local regulations may be more stringent than Federal regulations. Container disposal: Triple rinse (or equivalent) then offer clean, dry container for recycling or reconditioning.

EPA Hazardous waste number/code: Not listed

Hazardous waste characteristics: Ignitability = Not applicable; Corrosivity = Yes; Reactivity = Not applicable

Section Fourteen **Transport Information**

Applicable regulations: 49 CFR = No; IMCO = No; IATA = No

Proper shipping name: Cleaning Compound; **UN No.:** Not applicable; **Limited Qty.:** Not applicable;

Hazard Class: Not applicable

Labels required: Not required **Exception:** Not applicable

EPA Hazardous waste number/code: Not listed

Section Fifteen **Regulatory Information**

Toxic Substances Control Act (TSCA): All of the components intentionally added to this product are listed on the on the U.S. EPA TSCA inventory.

SARA Title III

Section 302: This product contains the following chemicals subject to SARA 302 reporting: None.

Section 311/312: This product is classified as an "immediate (acute) health hazard".

Section 313: none

OSHA Hazard Communication Standard (29 CFR 1910.1200): This product is hazardous by definition of the Hazard Communication Standard.

NPCA Hazardous Material Identification System (HMIS Rating)

Health **2** Flammability **0** Reactivity **0** Personal Protective Eqpt. **B**

State Regulations

See "Section Two Composition" for listing of hazardous and top five ingredients present in concentration greater than 1%.

California Proposition 65 Components of this product present at a concentration that could require reporting under this statute are: None.

Section Sixteen **Other Information**

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY NATURE ARE MADE WITH RESPECT TO THE PRODUCT(S) OR INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET.

The information and recommendations contained in this Material Safety Data Sheet are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. All information contained herein is presented in good faith and is believed to be appropriate and accurate.

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Version 2, * Denotes revisions since last published MSDS. Supersedes Version 1 January 30, 2007