



SK-101

Material Safety Data Sheet

Revision Date: October 2012

Revision Number 1

1. SUBSTANCE/PREPARATION COMPANY IDENTIFICATION

Production Description: **SK – 101**

Company:

StartKleen LLC
193 Wall Street Rd.
Gunter, TX 75058
Information Phone: 903-207-1079, 7AM – 6 PM M-F

24 – Hr. Emergency Phone Infotrac 800-535-5053

2. HAZARDS IDENTIFICATION

Emergency Overview	Solid, lemon scent. Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.
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Potential Health Effects

- Skin:** None expected, however, prolonged contact may cause irritation.
- Eyes:** This product is considered to be an eye irritant. Contact with the eyes will cause irritation.
- Inhalation:** Breathing concentrated vapors may cause slight irritation of respiratory tract. Certain individuals may be sensitized and experience minor nausea or headaches.
- Ingestion:** May cause gastric distress, vomiting or diarrhea.

3. COMPOSITION/ INFORMATION ON INGREDIENT

Ingredient	CAS Number	Weight %
Cationic Surfactant	68391-01-5	16.0
Cationic Surfactant	68956-79-6	16.0
Ethanol	64-17-5	<5.0

4. FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.

Skin or Clothing: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists seek medical attention.

Inhalation: Remove affected person to fresh air. If symptoms persist, seek medical attention.

Ingestion: Give two glasses of water for dilution; DO NOT induce vomiting; seek medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: >200°F (>100°C)

Upper & Lower Flame Limits: Not determined

Extinguishing Media: Dry chemical, foam, carbon dioxide or water fog. Solid water streams may spread burning liquid.

Fire Fighting Equipment & Instructions: Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray. CAUTION: Material will support combustion.

Hazardous Combustion Products: Irritating and toxic gases or fumes may be released during a fire.

Unusual Fire Explosion Hazards: Closed containers can explode due to buildup of pressure when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures

Spill Cleanup: Recover and segregate product for reuse. If product becomes loose from fabric enclosure, place in approved container for disposal.

7. HANDLING AND STORAGE

Handling Procedures: Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

Storage Procedures: Keep container closed when not in use. Protect containers from abuse. Protect from extreme temperatures. Keep this and other chemicals out of reach of children. Minimize body contact with this product as with all chemicals in general.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

Engineering Controls: Mechanical (general) ventilation is recommended.

Personal Protective Equipment:

Eyes/Face: Safety goggles with side shields.

Skin: Use impervious gloves (rubber or neoprene).

Respiratory: None required; however, if misting occurs, NIOSH approved respirator capable of removing particulate from air must be worn. Refer to 29 CFR 1910.134 for complete regulations.

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General: Eye wash fountain and emergency showers are recommended. Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

The following ingredients have established exposure guidelines:

Ethanol 64-17-5	AGIH TWA (2002)	1000 ppm (TWA)
	NIOSH Pocket Guide	1000 ppm (TWA)
	Alberta (Canada)	1000 ppm (TWA), 1250 ppm (STEL)
	British Columbia, Manitoba, New Brunswick, Ontario, Quebec (Canada)	1000 ppm (TWA)
	Saskatchewan (Canada)	1880 mg/m ³ (TWA), 2350 mg/m ³ (STEL)
	Yukon (Canada)	1000 ppm (TWA), 1000 ppm (STEL)
	Mexico – Instruction No. 10	1000 ppm (TWA)

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

9. PHYSICAL and CHEMICAL PROPERTIES

Flash Point: >200°F (>100°C)

Specific Gravity: N/A

Percent Volatiles: <10%

Vapor Pressure: N/A

VOC Content: N/A

Density: N/A

Viscosity: N/A

Evaporation Rate: N/A

Pour Point: N/A

pH: N/A

Appearance and Odor: Solid, lemon scent.

10. STABILITY and REACTIVITY

Chemical Stability: Material is stable.

Conditions to Avoid: Keep away extreme temperatures, open flames, strong oxidizing agents, and strong acids.

Incompatibilities: Strong oxidizing agents (may result in fire), reducing agents.

Hazardous Decomposition: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity No Carcinogenicity data available for this product.

Acute Oral LD50 N/A

Acute Dermal N/A

Primary Skin Corrosive

Primary Eye Corrosive

Chemical Ingredients Listed as Potential or Known Carcinogens

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			

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12. ECOLOGICAL INFORMATION

Ecotoxicity No data available for this product

13. DISPOSAL CONSIDERATIONS

Disposal Instructions

This substance, when discarded or disposed of, is a characteristic hazardous waste according to Federal regulation (40CFR 261) and is assigned the EPA Hazardous Waste Number of D001. The discarding or disposal of this material must be done at a properly permitted facility in accordance with the regulations of 40 CFR 260-299. Additionally, the discarding or disposal of this material may be further regulated by state, regional, or local regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT Hazard Class N/A
DOT Proper Shipping Name N/A

15. REGULATORY INFORMATION

TSCA Status

All ingredients are listed on the TSCA Chemical Inventory.

Other Chemical Inventories

All components of this product are listed on following inventories: Australia, Canada (DSL), European Union, China, and Philippines. One or more ingredients not found on inventories of Japan and Korea.

CERCL/SARA

SARA Title III, Sections 311/312- This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370: **Classification of this product.**

SARA Title 313- This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

Chemical Name	CAS No.	Maximum Concentration	Comment
No ingredients listed in this Section.			

Reportable Quantities/Threshold Planning Quantities: CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

Chemical Name	Reportable Quantity (RQ)	Threshold Planning Quantity (TPQ)
No ingredients listed in this Section.		

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State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List

Chemical Name	State List
Benzyl Chloride (trace <10 ppm)	AZ, CA, CAP65C, CT, FL, ID, MA, MN, NJ, PA, RI
Ethanol	AZ, CA, CAP65R, CT, FL, ID, MA, MN, NJ, PA, RI

AZ - Arizona Ambient Air Quality Guidelines
CT - Connecticut Hazardous Air Pollutants
CA - California Director's List of Hazardous Substances
CA65C - California Prop 65 Carcinogen
CA65R - California Prop 65 Reproductive Toxin
FL - Florida Substances List
ID - Idaho Non-carcinogen Toxic Air Pollutants
IL - Illinois Toxic Air Contaminant- Carcinogenic
MA - Massachusetts Right to Know List
MN - Minnesota Hazardous Substances List
NJ - New Jersey Right to Know List
PA - Pennsylvania Right to Know List
RI - Rhode Island Hazardous Substances List

WHMIS Classification: B3, E. This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

Current Issue Date: October 2012
Previous Issue Date: New
Changes from Previous Issue Date: N/A

Hazard Ratings	HMIS (II)
Health	1
Flammability	1
Reactivity	0

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