Safety Data Sheet
Concentrated Disinfectant Cleaner, Degreaser

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1. Identification

Product identifier	Concentrated Disinfectant Cleaner, Degreaser		
Product code	53G093 (500mL), 53G094 (946mL), 53G095 (3.78L), 53G097 (20L), 53G098 (208L), 53G099 (1000L)		
SDS number	L-89		
Other means of identification	None.		
Recommended use of the chemical and restrictions on use	Hard surface cleaner and disinfectant.		
Manufacturer	Walter Surface Technologies Inc. 5977 Trans Canada Highway Pointe-Claire, QC Canada H9R 1C1 General Information: 1-888-592-5837 info@walter.com www.walter.com	**Distributor**	Walter Surface Technologies Inc. 810 Day Hill Road Windsor, CT 06095 United States General Information: 1-866-592-5837 info.us@walter.com www.walter.com
Emergency phone number	INFOTRAC®: 1-800-535-5053 International call collect: 1-352-323-3500 24 hours/day, 7 days/week		

2. Hazard identification

Summary	Avoid contact with skin, eyes and clothing. Do not breathe vapors and aerosols. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves, respiratory protection and other protective clothing that are adapted to the task being performed and the risks involved.

WHMIS 2015/GHS/OSHA HCS 2012

Skin corrosion/irritation (Category 1)
Serious eye damage/eye irritation (Category 1)

DANGER
H314: Causes severe skin burns and eye damage
P260: Do not breathe vapours and spray.
P264: Wash skin thoroughly after handling.
P280: Wear protective gloves, protective clothing and eye protection.
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P363: Wash contaminated clothing before reuse.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or a doctor.

P405: Store locked up.
P501: Dispose of contents and container to a licensed chemical disposal agency in accordance with local, regional and national regulations.

3. Composition/information on ingredients

Common name	CAS	Weight % content
Alcohols, C7-C21 ethoxylated	68991-48-0	3 - 7 %
Sodium metasilicate	6834-92-0	1 - 5 %
C12-14-Alkyldimethyl(ethylbenzyl) ammonium chlorides	85409-23-0	1 - 5 %
n-Alkyl dimethyl benzyl ammonium chlorides	53516-76-0	1 - 5 %
Note: The manufacturer withholds the actual concentration range of the ingredients as a trade secret.		

4. First-aid measures

Inhalation	Move person to fresh air. If a problem develops or persists, seek medical attention.
Skin contact	Flush with plenty of water. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	IMMEDIATELY flush with plenty of water. Remove contact lenses after the first 5 minutes if easy to do. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. Do not rub your eyes. Consult a physician, preferably an ophthalmologist.
Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Never give anything by mouth if victim is unconscious or convulsing. Seek medical attention or contact a Poison Centre immediately.
Other	No additional information.
Symptoms	May cause severe eye irritation or eye damage. May cause skin irritation and burns.
Notes to the physician	Treat according to person's condition and specifics of exposure.

5. Fire-fighting measures

Suitable extinguishing media	Use an extinguishing agent appropriate for the surrounding fire.
Specific hazards arising from the chemical	No hazard listed.
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
Special protective actions for fire-fighters	Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Do not touch spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent entry into sewers, closed areas and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
Methods and materials for containment and cleaning up	Ventilate the area well. Stop leak, if it's possible to do so without risk. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning by rinsing with water contaminated surface. Never return spills to original containers for re-use. Dispose via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling	Use only in well ventilated area. Avoid contact with skin, eyes and clothing. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. Wash hands, forearms and face thoroughly after handling this compound. Remove contaminated clothing and wash before reuse.
Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled container in a dry, cool and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from incompatible materials (see section 10). Keep away from direct sunlight and heat.
Storage temperature	10 to 49°C (50 to 120.2°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	No IDLH value is reported.			
Sodium metasilicate	TWA (8h)	Respirable Dust	5 mg/m^3	OSHA
		Total Dust	15 mg/m^3	OSHA
Appropriate engineering controls	Provide sufficient mechanical ventilation (general and/or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.			
Individual protection measures				
Eye	Wear chemical splash goggles. If risk of contact with eyes or the face, wear a face shield.			
Hands	Wear nitrile or neoprene gloves. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly.			
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code. Wear an apron or long-sleeve protective coverall suit impervious to chemicals.			
Respiratory	Respiratory protection is not required for normal use. Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA.			
Feet	Wear rubber boots to clean up a spill.			

Goggles Nitrile gloves

9. Physical and chemical properties

Physical state	Liquid	**Flammability**	Non-flammable
Colour	Pink	**Flammability limits**	N/Ap.
Odour	Slight	**Flash point**	N/Ap.
Odour threshold	N/Av.	**Auto-ignition temperature**	N/Av.
pH	12 to 12.5 (Alkali reserve 1.24g to 1.83g NaOH/100g sample)	**Sensibility to electrostatic charges**	No
Melting point	0°C (32°F)	**Sensibility to sparks and/or friction**	No
Freezing point	0°C (32°F)	**Vapour density**	N/Av. (Air = 1)
Boiling point	98°C (208.4°F)	**Relative density**	1.03 to 1.04 kg/L (Water = 1)
Solubility	Fully soluble in water.	**Partition coefficient n-octanol/water**	N/Av.
Evaporation rate	N/Av.	**Decomposition temperature**	N/Av.
Vapour pressure	2.3kPa (17.3 mm Hg) @ 20°C (68°F)	**Viscosity**	N/Av.
Percent Wt. Volatile	88.1%	**Molecular mass**	N/Ap.
VOC (g/L)	N/Av.	**% Volume Volatile (VOC)**	N/Av.
VOC (lb/gal)	N/Av.	**% Wt. Volatile (VOC)**	0.6%

N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established

10. Stability and reactivity

Reactivity	No reactivity expected.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	Hazardous polymerization will not occur.
Conditions to avoid	Avoid contact with incompatible materials.
Incompatible materials	Strong acids, strong oxidants.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Numerical measures of toxicity	Alcohols, C7-C21 ethoxylated	Ingestion	>2000 mg/kg	Rat	LC50
		Skin	1410 mg/kg	Rabbit	LD50
	C12-14-Alkyldimethyl(ethylbenzyl) ammonium chlorides	Ingestion	344 mg/kg	Rat	LD50
		Skin	2300 mg/kg	Rabbit	LD50
	n-Alkyl dimethyl benzyl ammonium chlorides	Ingestion	>301 mg/kg	Rat	LD50
	Sodium metasilicate	Ingestion	1280 mg/kg	Rat	LD50
		Inhalation	>2.06 mg/l/4h	Rat	LC50
		Skin	>5000 mg/kg	Rat	LD50

Likely routes of exposure	Skin, eyes, inhalation.	
Delayed, immediate and chronic effects	**Eye contact**	May cause severe eye irritation or eye damage. Eye Irritation/Corrosion, Rabbit (OECD TG 405): tests performed with each ingredient of this mixture gave from not irritating to corrosive results. The product is considered to be corrosive based on the pH (>11.5) of the solution.
	Skin contact	May cause skin irritation and burns. Severity is generally determined by concentration of solution and duration of contact. Skin Irritation/Corrosion, Rabbit (OECD 404) : tests performed with each ingredient of this mixture gave from not irritating to corrosive results. The product is considered to be corrosive based on the pH (>11.5) of the solution.
	Inhalation	Prolonged or excessive exposure may cause respiratory tract irritation. The severity of symptoms may vary depending on exposure conditions.
	Ingestion	Causes burns to mouth, throat and stomach.
	Respiratory or skin sensitization	Ingredients present at levels greater than or equal to 0.1% of this product are not skin or respiratory sensitizers.
	IARC/NTP Classification	No ingredients listed.
	Carcinogenicity	Ingredients present at levels greater than or equal to 0.1% of this product are not listed as a carcinogen by IARC, ACGIH, NIOSH, NTP or OSHA.
	Mutagenicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.
	Reproductive toxicity	Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.
	Specific target organ toxicity - single exposure	No target organ is listed.
	Specific target organ toxicity - repeated exposure	No target organ is listed.
Interactive effects	No information available for this product.	
Other information	The oral and skin acute toxicity estimates (ATE) of the mixture were calculated to be greater than 2000 mg/kg. The acute toxicity estimates (ATE) by inhalation of the mixture were calculated to be greater than 20 mg/L/4h for vapours and to be greater than 5 mg/L/4h for the aerosols and mists. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.	

12. Ecological information

Ecological toxicity	Fish - Oncorhynchus mykiss - Rainbow trout	LC50	5-7 mg/L; 96 h (CAS no 68991-48-0) OEDC 203
	Water flea - Daphnia magna - fresh water	EC50	1.4 mg/L; 96 h (CAS no 68991-48-0)
	Fish - Oncorhynchus mykiss - Rainbow trout	LC50	1.06 mg/L; 96h (CAS no 85409-23-0) OECD 203
	Aquatic Invertebrate - Daphnia Magna (fresh water)	EC50	0.015 mg/L; 72h (CAS no 85409-23-0)
	Zebrafish (Danio rerio)	LC50	210 mg/L; 96h (CAS no 6834-92-0)

Persistence	The product contains components that may persist in the environment.
Degradability	The product is a mixture of which some ingredients are readily biodegradable (> 60% in 28 days) while other ingredients are not readily biodegradable (<60% in 28 days).
Bioaccumulative potential	The product is a mixture of which all ingredients have a low bioaccumulation potential (Log Kow of <3 and / or BCF <500).
Mobility in soil	Soluble in water. The product is a mixture whose ingredients have a high mobility in the soil.
Other adverse effects	This chemical does not deplete the ozone layer.

13. Disposal considerations

Container 	Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.

14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	Contains marine polluant.
Special precautions for user	No additional information.
TDG - Transportation of Dangerous Goods (Canada & US DOT)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Emergency response guidebook 2016	
IMO/IMDG - International Maritime Transport	
Classification	Not regulated
IATA - International Air Transport Association	
Classification	Not regulated

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.

15. Regulatory information

CANADA

Common name	CAS	CEPA	DSL	NDSL	NPRI
Alcohols, C7-C21 ethoxylated	68991-48-0		X		
Sodium metasilicate	6834-92-0		X		
C12-14-Alkyldimethyl(ethylbenzyl) ammonium chlorides	85409-23-0				
n-Alkyl dimethyl benzyl ammonium chlorides	53516-76-0				

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

Common name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Alcohols, C7-C21 ethoxylated	68991-48-0	X								
Sodium metasilicate	6834-92-0	X								
C12-14-Alkyldimethyl(ethylbenzyl) ammonium chlorides	85409-23-0									
n-Alkyl dimethyl benzyl ammonium chlorides	53516-76-0									

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

No ingredients listed.

Other regulations	C12-14-Alkyldimethyl(ethylbenzyl) ammonium chlorides are exempted from the DSL and the TSCA lists. n-Alkyl dimethyl benzyl ammonium chlorides (CAS no 53516-76-0) are exempted from the DSL and the TSCA lists.
	HMIS Health Flamability Reactivity Protective Equipment **NFPA** 

16. Other information

Date (YYYY-MM-DD)	Walter Surface Technologies Inc. 2020-10-14
Version	02
Other information	REFERENCES: - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), http://www.reptox.csst.qc.ca - The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, https://pubchem.ncbi.nlm.nih.gov/ - Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, https://haz-map.com/ DATE OF FIRST VERSION OF SDS: 2020-07-14. CHANGES MADE IN THE VERSION 02: section 9.

ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
HMIS: Hazardous Materials Identification System
NFPA: National Fire Protection Association
OSHA: Occupational Safety and Health Administration (USA)
NIOSH: National Institute for Occupational Safety and Health
NTP: National Toxicology Program
RSST: Règlement sur la santé et la sécurité du travail (Québec)
GHS: Globally Harmonized System
IARC: International Agency for Research on Cancer
IDLH: Immediately Dangerous to Life or Health
STEL: Short Term Exposure Limit (15 min)
TWA: Time Weighted Averages
WHMIS: Workplace Hazardous Materials Information System