

### 1. Identification

<b>Product identifier</b>	COOLCUT SYSTEM CLEANER		
<b>Product code</b>	58C101 (950ml), 58C105 (3.78L); 58C107 (20L)		
<b>SDS number</b>	C-12E		
<b>Other means of identification</b>	N.Av.		
<b>Recommended use of the chemical and restrictions on use</b>	System cleaner for CNC machine tools. Not recommended for any other use not detailed on product data sheet or label.		
<b>Manufacturer</b>	Walter Surface Technologies Inc. 5977 Trans Canada Highway Pointe-Claire, QC Canada H9R 1C1  General Information: 1-888-592-5837  <a href="mailto:info@walter.com">info@walter.com</a> <a href="http://www.walter.com">www.walter.com</a>	<b>Distributor</b>	Walter Surface Technologies Inc. 810 Day Hill Road Windsor, CT 06095 United States  General Information: 1-866-592-5837  <a href="mailto:info.us@walter.com">info.us@walter.com</a> <a href="http://www.walter.com">www.walter.com</a>
<b>Emergency phone number</b>	INFOTRAC®: 1-800-535-5053 International call collect: 1-352-323-3500 24 hours/day, 7 days/week		

### 2. Hazard identification

<b>Summary</b>	Corrosive liquid. May cause burns. Avoid all contact with the 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.
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#### WHMIS 2015/GHS/OSHA HCS 2012



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

#### DANGER

H314: Causes severe skin burns and eye damage  
 H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H317: May cause an allergic skin reaction  
 P260: Do not breathe vapours and spray.  
 P264: Wash face, hands and any exposed skin thoroughly after handling.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P280: Wear protective gloves, protective clothing and eye protection.  
 P284: In case of inadequate ventilation, wear respiratory 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.  
 P333+313: If skin irritation or a rash occurs: Get medical advice or attention.  
 P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P342+311: If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
 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
Sodium metasilicate pentahydrate	10213-79-3	1 - 5 %
Benzenesulfonic acid, (1-methylethyl)-, sodium salt	28348-53-0	1 - 5 %
Glutaraldehyde	111-30-8	0.1 - 1 %

**Note:** The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

### 4. First-aid measures

<b>Inhalation</b>	Move person to fresh air. If breathing is difficult, give oxygen by trained personnel. If not breathing, give artificial respiration. If a problem develops or persists, seek medical attention.
<b>Skin contact</b>	Flush with water for at least 15 minutes. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
<b>Eye contact</b>	IMMEDIATELY flush with plenty of water. Remove contact lenses if easy to do. Flush with water for at least 20 minutes. Hold eyelids apart to rinse properly. Seek medical attention immediately.
<b>Ingestion</b>	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with water and give 1-2 glasses of water to drink. Seek medical attention or contact a Poison Centre immediately.
<b>Other</b>	No additional information.
<b>Symptoms</b>	May cause severe eye irritation or eye damage. May cause skin irritation and burns. May cause an allergic reaction of the skin. May cause an allergic respiratory reaction with symptoms similar to asthma such as wheezing and chest tightness.
<b>Notes to the physician</b>	Treat according to person's condition and specifics of exposure. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

### 5. Fire-fighting measures

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

<b>Special protective actions for fire-fighters</b>	
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## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Do not touch damaged containers or spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
<b>Environmental precautions</b>	Prevent product from entering drains and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
<b>Methods and materials for containment and cleaning up</b>	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. Dispose via a licensed waste disposal contractor.

## 7. Handling and storage

<b>Precautions for safe handling</b>	People with a history of skin or respiratory sensitization should not intervene in the process using this product. Use only in well ventilated area. Avoid all contact with the skin, eyes and clothing. Do not breathe vapors and aerosols. Wear eye protection, gloves, respiratory protection and other protective clothing that are adapted to the task being performed and the risks involved. DO NOT dispose residue in sewers, streams or drinking water supply. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
<b>Conditions for safe storage, including any incompatibilities</b>	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Store away from bases and incompatible materials (see section 10). Keep away from direct sunlight and heat.
<b>Storage temperature</b>	10 to 30°C (50 to 86°F)

## 8. Exposure controls/personal protection

<b>Immediately Dangerous to Life or Health</b>	No IDLH value is reported.		
Glutaraldehyde	Ceiling	0.05 ppm	ACGIH , BC, ON, RSST
<b>Appropriate engineering controls</b>	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits.		
<b>Individual protection measures</b>			
<b>Eye</b>	Wear chemical splash goggles. If exposure causes eye discomfort, use a full-face respirator.		
<b>Hands</b>	Chemical-resistant, impervious gloves should be worn at all times when handling this chemical product. 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.		
<b>Skin</b>	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear appropriate chemical impervious clothing. If necessary, wear an apron or long-sleeve protective coverall suit.		
<b>Respiratory</b>			

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. In case of insufficient ventilation or in confined or enclosed space and for an assigned protection factor (APF) up to 10 times the exposure limit, wear a half mask respirator with organic vapour cartridges fitted with P100 filters. For an APF until maximum 100 times of exposure limit, wear a full face respirator mask with organic vapour cartridges and P100 filters. For concentrations higher than the Threshold Limit Value, wear any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other positive-pressure mode.

**Feet**

Wear rubber boots as needed.



Chemical Coverall Suit



Goggles



Nitrile gloves



Chemical cartridge respirator half-mask

## 9. Physical and chemical properties

<b>Physical state</b>	Liquid	<b>Flammability</b>	Non-flammable
<b>Colour</b>	N.Av.	<b>Flammability limits</b>	N/Av.
<b>Odour</b>	N.Av.	<b>Flash point</b>	N/Av.
<b>Odour threshold</b>	N/Av.	<b>Auto-ignition temperature</b>	N/Av.
<b>pH</b>	13.3 @ 100%	<b>Sensibility to electrostatic charges</b>	N.Av.
<b>Melting point</b>	N/Av.	<b>Sensibility to sparks and/or friction</b>	No
<b>Freezing point</b>	N/Av.	<b>Vapour density</b>	N/Av. (Air = 1)
<b>Boiling point</b>	N/Av.	<b>Relative density</b>	1.045 kg/L (Water = 1)
<b>Solubility</b>	Soluble in water.	<b>Partition coefficient n-octanol/water</b>	N/Av.
<b>Evaporation rate</b>	N/Av.	<b>Decomposition temperature</b>	N/Av.
<b>Vapour pressure</b>	N/Av.	<b>Viscosity</b>	N/Av.
<b>Percent Wt. Volatile</b>	N/Av.	<b>Molecular mass</b>	N/Av.
<b>VOC (g/L)</b>	N/Av.	<b>% Volume Volatile (VOC)</b>	N/Av.
<b>VOC (lb/gal)</b>	N/Av.	<b>% Wt. Volatile (VOC)</b>	0.3%
N/Av.: Not Available    N/Av.: Not Applicable    Und.: Undetermined    N/E: Not Established			

## 10. Stability and reactivity

<b>Reactivity</b>	No reactivity expected.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions (including polymerizations)</b>	Hazardous polymerization will not occur.

<b>Conditions to avoid</b>	Avoid contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidants, strong acids.
<b>Hazardous decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

<b>Numerical measures of toxicity</b>	<p>Benzenesulfonic acid, (1-methylethyl)-, sodium salt</p> <p>Ingestion &gt;7000 mg/kg Rat LD50</p> <p>Inhalation &gt;770 mg/l/4h Rat LC50</p> <p>Skin &gt;2000 mg/kg Rabbit LD50</p> <p>Sodium metasilicate pentahydrate</p> <p>Ingestion 847 mg/kg Rat LD50</p> <p>Skin &gt;2000 mg/kg Rat LD50</p> <p>Glutaraldehyde</p> <p>Ingestion 134 mg/kg Rat LD50</p> <p>Inhalation 0.27 mg/l/4h Rat LC50</p> <p>0.48 mg/l/4h Rat LC50</p> <p>Skin &gt;2000 mg/kg Rabbit LD50</p>
<b>Likely routes of exposure</b>	Skin, eyes, inhalation.
<b>Delayed, immediate and chronic effects</b>	<p><b>Eye contact</b> May cause severe eye irritation or eye damage. The product is considered to be corrosive based on the pH (&gt;11.5) of the solution.</p> <p><b>Skin contact</b> May cause skin irritation and burns. The product is considered to be corrosive based on the pH (&gt;11.5) of the solution. May cause an allergic reaction of the skin.</p> <p><b>Inhalation</b> May cause an allergic respiratory reaction with symptoms similar to asthma such as wheezing and chest tightness. The severity of symptoms may vary depending on exposure conditions.</p> <p><b>Ingestion</b> May cause gastro-intestinal irritation and burns to mouth, throat and stomach.</p> <p><b>Respiratory or skin sensitization</b> May cause an allergic reaction of the skin and respiratory tract. Glutaraldehyde (CAS no 111-30-8) is a skin sensitizer (guinea pig, OECD 406) and a respiratory sensitizer (TOXNET).</p> <p><b>IARC/NTP Classification</b> No ingredients listed.</p> <p><b>Carcinogenicity</b> 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.</p> <p><b>Mutagenicity</b> Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.</p> <p><b>Reproductive toxicity</b> Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.</p> <p><b>Specific target organ toxicity - single exposure</b> No target organ is listed.</p> <p><b>Specific target organ toxicity - repeated exposure</b> No target organ is listed.</p>
<b>Interactive effects</b>	No information available.
<b>Other information</b>	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

<b>Ecological toxicity</b>	Fish - Pimephales promelas - Fresh water	LC50 >450 mg/L; 96 h (CAS no 28348-53-0)
	Daphnia magna Straus - fresh water	EC50 >450 mg/L; 48 h (CAS no 28348-53-0)
	Fish - Oncorhynchus mykiss - Rainbow trout	LC50 0.8 mg/L; 96 h (CAS no 111-30-8)
	Aquatic Invertebrate - Daphnia Magna, Water flea, fresh water	EC50 0.35 mg/L; 48h (CAS no 111-30-8)
<b>Persistence</b>	Not persistent in environment.	
<b>Degradability</b>	The product is a mixture whose ingredients are readily biodegradable (> 60% in 28 days).	
<b>Bioaccumulative potential</b>	The product is a mixture of which all ingredients have a low bioaccumulation potential (Log Kow of <3 and / or BCF <500).	
<b>Mobility in soil</b>	The product is a mixture of which some ingredients have a high mobility in the soil, while other ingredients have a moderate mobility in the soil.	
<b>Other adverse effects</b>	This chemical does not deplete the ozone layer. The observed ecological toxicity presented by this product for the environment was considered a result of pH effects.	

## 13. Disposal considerations

<b>Container</b> 	Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Do not reuse empty container. Triple rinse (or equivalent) the empty container and recycle through accredited recycling firm where applicable. Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.
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## 14. Transport information

<b>UN Number</b>	UN N/A
<b>UN Proper Shipping Name</b>	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
<b>Environmental hazards</b>	This material does not contain marine pollutant.
<b>Special precautions for user</b>	No information available for this product.
<b>TDG - Transportation of Dangerous Goods (Canada &amp; US DOT)</b>	
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Emergency response guidebook 2016</b>	
<b>IMO/IMDG - International Maritime Transport</b>	
<b>Classification</b>	Not regulated
<b>IATA - International Air Transport Association</b>	
<b>Classification</b>	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
Sodium metasilicate pentahydrate	10213-79-3				
Benzenesulfonic acid, (1-methylethyl)-, sodium salt	28348-53-0		X		
Glutaraldehyde	111-30-8		X		

- 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.
Sodium metasilicate pentahydrate	10213-79-3	X								
Benzenesulfonic acid, (1-methylethyl)-, sodium salt	28348-53-0	X								
Glutaraldehyde	111-30-8	X				X				

- 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

- Canada DSL and NDSL:

Sodium metasilicate pentahydrate (CAS no 10213-79-3) is not included in the Canadian Domestic Substances List (DSL) because it is a hydrate. However, it is listed in these inventories under its anhydrous form of Sodium metasilicate (CAS no 6834-92-0).

#### HMIS



#### NFPA



## 16. Other information

Date (YYYY-MM-DD)	Walter Surface Technologies Inc. 2021-01-28
Version	01

**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>
- Haz-Map, Information on Hazardous Chemicals and Occupational Diseases, <https://haz-map.com/>
- The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, <https://pubchem.ncbi.nlm.nih.gov/>
- NIOSH Pocket Guide to Chemical Hazards, Centers for Disease Control and Prevention, NIOSH Publications, 2007, <http://www.cdc.gov/niosh/npg/npg.html>

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

To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.