

# SAFETY DATA SHEET

## SECTION 1) IDENTIFICATION

**Product Name:** SURFOX-T  
**SDS No.:** S-01  
**Product Code:** 54-A 001(100 mL), 54-A 003 (500mL), 54-A 005 (1.5 L), 54-A 006 (5 L), 54-A 007 (20 L), 54-A 008 (208 L)  
**Revision Date:** Jul 07, 2021 **Date Printed:** Jul 13, 2021  
**Version:** 1.0 **Supersedes Date:** N.A.  
**Manufacturer's Name:** Canada - Walter Surface Technologies Inc.  
**Address:** 5977 Trans Canada Highway West Pointe-Claire, QC, CA, H9R 1C1  
**Emergency Phone:** INFOTRAC® 1-800-535-5053. International call collect: 1-352-323-3500 24 hours/day, 7 days/week.  
**Information Phone Number:** www.walter.com  
**Fax:**  
**Product/Recommended Uses:**

## SECTION 2) HAZARDS IDENTIFICATION

### Classification

Serious Eye Damage - Category 1

Skin Corrosion - Category 1B

### Pictograms



### Signal Word

Danger

### Hazardous Statements - Health

H314 - Causes severe skin burns and eye damage

### Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

### Precautionary Statements - Prevention

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264 - Wash thoroughly after handling.

### Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P363 - Wash contaminated clothing before reuse.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P321 - Specific treatment (see First-aid on this label).

#### Precautionary Statements - Storage

P405 - Store locked up.

#### Precautionary Statements - Disposal

P501 - Dispose of contents/container in accordance with local/national/international regulations.

#### Hazards Not Otherwise Classified (HNOC) (Physical & Health)

No data available

### SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0007664-38-2	PHOSPHORIC ACID	30.00% - 60.00%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

### SECTION 4) FIRST-AID MEASURES

#### 4.2 Most important symptoms and effects, both acute and delayed

If in contact with skin or inhaled: May cause irritation to mucous membranes.

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

#### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER or doctor.

If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

#### Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open.

Remove contact lenses, if present and easy to do.

Continue rinsing for a duration of 30 minutes or until medical aid is available.

Take care not to rinse contaminated water into the unaffected eye or onto the face.

Immediately call a POISON CENTER or doctor.

#### Skin Contact

Take off immediately all contaminated clothing, shoes and leather goods (e.g. watchbands, belts).

Rinse skin with lukewarm, gently flowing water/shower for a duration of 30 minutes or until medical aid is available.

Immediately call a POISON CENTER or doctor.

Wash contaminated clothing before re-use or discard.

#### Ingestion

Rinse mouth.

Do NOT induce vomiting.

Immediately call a POISON CENTER or doctor.

If vomiting occurs naturally, lie on your side, in the recovery position.

#### Most Important Symptoms and Effects, Both acute and Delayed

No data available

#### Indication of Any Immediate Medical Attention and Special Treatment Needed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an

appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

## SECTION 5) FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Small Fire : Dry chemical, foam, carbon dioxide, water-spray or alcohol-resistant foam. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Large Fire : Water spray, fog or alcohol-resistant foam.

### Unsuitable Extinguishing Media

Do not use straight stream of water.

### Specific Hazards in Case of Fire

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, sulfur oxides, metal oxide/oxide. Fire will produce irritating and corrosive gases.

### Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Cool containers with flooding quantities of water until well after fire is out. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure

Stay uphill and/or upstream. Ventilate closed spaces before entering. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. Evacuate and isolate hazard area and keep unauthorized personnel away.

### Recommended Equipment

Wear chemical protective clothing and positive pressure self-contained breathing apparatus (SCBA). Wear liquid tight chemical protective clothing in combination with positive pressure self-contained breathing apparatus (SCBA).

### Personal Precautions

Avoid breathing vapor or mist. Do not get on skin, eyes or clothing.

### Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

### Methods and Materials for Containment and Cleaning Up

Absorb Liquids in vermiculite, dry sand, earth, or similar inert material and deposit in sealed containers for disposal. Ventilate area after clean-up is complete.

## SECTION 7) HANDLING AND STORAGE

### General

Wash hands after use. Do not get in eyes, on skin, or on clothing. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored All containers must be properly labelled. Do not breathe vapor or mist.

### Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. Report ventilation failures immediately.

### Storage Room Requirements

Store in a cool, dry, well ventilated area, away from sources of ignition and incompatibilities. Keep containers securely sealed when not in use. Containers that have been opened must be carefully resealed to prevent leakage. Indoor storage should meet OSHA standards and appropriate fire codes. Empty containers retain residue and may be dangerous.

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

54-A 001(100 mL), 54-A 003 (500mL), 54-A 005 (1.5 L), 54-A 006 (5 L), 54-A 007 (20 L), 54-A 008 (20

## Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids.

## Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

## Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 should be followed. Check with respiratory protective equipment suppliers.

## Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	ACGIH TWA (mg/m3)	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	VLE Alteracion Efecto a la Salud	VLE Connotacion	ACGIH TLV Basis
PHOSPHORIC ACID	1		3			Irritación del tracto respiratorio superior, ojos y piel		URT, eye, & skin irr

Chemical Name	ACGIH Notations	VLE CToP (mg/m3)	VLE CToP (ppm)	OSHA TWA (mg/m3)	OSHA TWA (ppm)	VLE PPT (mg/m3)	VLE PPT (ppm)	OSHA STEL (mg/m3)
PHOSPHORIC ACID		3		1				

Chemical Name	OSHA STEL (ppm)	OSHA Carcinogen	OSHA Tables (Z1, Z2, Z3)	OSHA Skin designation	CAN_ONtmg	CAN_ONtppm	CAN_ONsmg	CAN_ONsppm
PHOSPHORIC ACID			1					

Chemical Name	BR_NR_15_Annex_XI - Brazil_NR 15 - Annex 11 of NR 15 (Tolerance Limits for Chemical Agents and Inspections in the Workplace)
PHOSPHORIC ACID	

irr - Irritation, URT - Upper respiratory tract

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Density	1.5 to 1.7 g/ml @ 20°C (68°F)
Specific Gravity	N/A
% VOC	0% (w/w)
Density VOC	N/A

Appearance	Liquid (Clear)
Odor Threshold	N/A
Odor Description	Odorless
pH	<1
Water Solubility	Soluble in water
Flammability	N/A
Flash Point Symbol	N/A
Flash Point	Closed cup: >93.3°C (>199.9°F)
Viscosity	N/A
Lower Explosion Level	N/A
Upper Explosion Level	N/A
Vapor Density	N/A
Freezing Point	N/A
Melting Point	0°C (32°F)
Low Boiling Point	115°C (239°F)
High Boiling Point	N/A
Auto Ignition Temp	N/A
Evaporation Rate	N/A
Coefficient Water/Oil	N/A

## SECTION 10) STABILITY AND REACTIVITY

### Stability

Stable under normal storage and handling conditions.

### Conditions To Avoid

Avoid heat, sparks, flame and contact with incompatible materials

### Hazardous Reactions/Polymerization

Will not occur.

### Incompatible Materials

Strong bases, acids, and oxidizing agents.

### Hazardous Decomposition Products

Oxides of carbon.

## SECTION 11) TOXICOLOGICAL INFORMATION

### Acute Toxicity

Based on available data, the classification criteria are not met.

The Acute Toxicity Estimate (ATE) for an oral exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for a dermal exposure to this mixture is >5000 mg/kg body weight

The Acute Toxicity Estimate (ATE) for an inhalation (vapour) exposure to this mixture is >20 mg/l

### Aspiration Hazard

Based on available data, the classification criteria are not met.

### Carcinogenicity

Based on available data, the classification criteria are not met.

### Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

### Reproductive Toxicity

Based on available data, the classification criteria are not met.

### Respiratory/Skin Sensitization

Based on available data, the classification criteria are not met.

0007664-38-2 PHOSPHORIC ACID

May cause drying and cracking of the skin.

### Serious Eye Damage/Irritation

Causes serious eye damage

0007664-38-2 PHOSPHORIC ACID

Can irritate and burn the eyes.

### Skin Corrosion/Irritation

Causes severe skin burns and eye damage

### Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

0007664-38-2 PHOSPHORIC ACID

Can irritate the nose and throat causing coughing and wheezing.

### Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

### Potential Health Effects - Miscellaneous

0007664-38-2 PHOSPHORIC ACID

Ingestion may cause any of the following: burns to mouth and stomach. Inhalation of vapor may cause any of the following: burns to respiratory system. Skin or eye contact may cause any of the following: burns.

0007664-38-2 PHOSPHORIC ACID

LC50 (mouse): 25.5 mg/m3 (duration of exposure not specified) (4)

LD50 (oral, rat): 3500 mg/kg (85% aqueous solution); 4200 mg/kg (80% aqueous solution)

## SECTION 12) ECOLOGICAL INFORMATION

### Toxicity

Based on available data, the classification criteria are not met.

### Mobility in Soil

No data available.

### Bioaccumulative Potential

No data available.

### Persistence and Degradability

No data available.

### Other Adverse Effects

No data available.

## SECTION 13) DISPOSAL CONSIDERATIONS

### Waste Disposal

It is the responsibility of the user of the product to determine at the time of disposal whether the product meets local criteria for hazardous waste. Waste management should be in full compliance with national, state and local laws. Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes.

## SECTION 14) Transport Information

	IATA Information	IMDG Information	U.S. DOT Information	Canada TDG Information
<b>UN number:</b>	UN3264	UN3264	UN3264	UN3264
<b>Proper shipping name:</b>	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)	Corrosive liquid, acidic, inorganic, n.o.s. (PHOSPHORIC ACID)
<b>Hazard class:</b>				8
<b>Hazard class:</b>	8	8	8	
<b>Packaging group:</b>	III	III	III	III
<b>Hazardous substance (RQ):</b>			No Data Available	
<b>Marine Pollutant:</b>	NA	No Data Available	No Data Available	No Data Available
<b>Note / Special Provision:</b>	No Data Available	No Data Available	No Data Available	No Data Available
<b>Toxic-Inhalation Hazard:</b>	NA	NA	No Data Available	No Data Available

## SECTION 15) REGULATORY INFORMATION

### California Proposition 65

Prop 65: No products found

CAS	Chemical Name	% By Weight	Regulation List
0007664-38-2	PHOSPHORIC ACID	30.00% - 60.00%	Canada_NPRI,DSL,TSCA

## SECTION 16) OTHER INFORMATION

### Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQ Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System. ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL - Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

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