

Safety Data Sheet (SDS)

Section 1 - Chemical Product and Company Information

Product Name: SURTREAT Rust Converter

Product Code: B120

Manufactured for:

Surtreat Solutions Inc.
1210 Frick Building
437 Grant Street
Pittsburgh, PA 15219

Telephone 412-281-1202

In case of transportation or
chemical emergency contact:

ChemTel, Inc
1-800-255-3924 (24 hours)

Product Use: Protective coating
Not recommended for: Food contact surfaces

Section 2 - Hazards

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity ≥ 3 , Iritis > 1.5

GHS Hazards

H315	Causes skin irritation
H318	Causes serious eye damage

GHS Precautions

P264	Wash hands and exposed skin thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P310	Immediately call a POISON CENTER or doctor/physician
P321	Specific treatment (see Section 4 on this SDS)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P332+P313	If skin irritation occurs: Get medical advice/attention

Signal Word: Danger



Preexisting skin, eye, and respiratory disorders may be aggravated by exposure to this product.

Section 3 - Composition

Chemical Name	CAS number	Weight Concentration %
Water	7732-18-5	50.00% - 60.00%
Propylene glycol	57-55-6	5.00% - 10.00%
Acetic acid	64-19-7	1.00% - 5.00%
Dipropylene glycol monomethyl ether	34590-94-8	1.00% - 5.00%

Section 4 - First Aid Measures

INHALATION - Take affected persons out into the fresh air. Supply fresh air; consult doctor in case of complaints. Provide oxygen treatment if affected person has difficulty breathing. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of unconsciousness place patient stably in side position for transportation.

EYE CONTACT - In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

SKIN CONTACT - Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

INGESTION - If material is ingested, rinse out mouth with water and seek immediate medical attention. Do not induce vomiting but if vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. If victim is conscious drink large quantities of water to dilute stomach contents.

Notes to Physician: If swallowed, gastric irrigation with added, activated carbon. If swallowed or in case of vomiting, danger of entering the lungs. If necessary oxygen respiration treatment.

Section 5 - Fire Fighting Measures

Flash Point: >94C, >200F

LEL: 1.00

UEL: 20.00

EXTINGUISHING MEDIA: This product is not inherently flammable. Use media appropriate for surrounding fire.

UNUSUAL FIRE OR EXPLOSION HAZARDS: The product vapor is heavier than air and may travel a considerable distance to a source of ignition and flashback.

HAZARDOUS COMBUSTION PRODUCTS: See section 10 for a list of hazardous decomposition products for this

mixture.

FIRE FIGHTING: If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

FIRE FIGHTING EQUIPMENT: Firemen and emergency responders: wear full turnout gear or Level A equipment, including positive-pressure, self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures

SPILL AND LEAK PROCEDURES: Spill supervisor - Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Keep nonessential personnel away from the contaminated area. Spilled product may be very slippery!

SMALL SPILLS: Ventilate the contaminated area. Mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel or plastic containers are acceptable for wastes. Rinse with water to remove any residue.

Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

LARGE SPILLS: Prevent this material from entering sewers and watercourses by diking or impounding the spilled material. Advise authorities if the product has entered or may enter, sewers, watercourses, or extensive land areas.

Ventilate the contaminated area. Mix the appropriate sorbent into the spilled material. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Collect the saturated sorbent and transfer it into a covered container. Steel or plastic containers are acceptable for wastes. Rinse with water to remove any residue.

Label the waste container. Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 7 - Handling and Storage

HANDLING PRECAUTIONS: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Avoid aerosolizing product. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C).

STORAGE: Requirements to be met by storerooms and receptacles:

Store in a cool location.

Provide ventilation for receptacles.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.
Keep container tightly sealed.

REGULATORY REQUIREMENTS: No data found.

Section 8 - Exposure Controls / Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Water 7732-18-5	Not Established	Not Established	Not Established
Propylene glycol 57-55-6	Not Established	Not Established	TWA 10mg/m3 (WEEL)
Acetic acid 64-19-7	PEL (Vacated) TWA: 10 ppm (Vacated) TWA: 25 mg/m3 TWA: 10 ppm TWA: 25 mg/m3	TLV TWA: 10 ppm STEL: 15 ppm	NIOSH IDLH IDLH: 50 ppm TWA: 10 ppm TWA: 25 mg/m3 STEL: 15 ppm STEL: 37 mg/m3
Dipropylene glycol monomethyl ether 34590-94-8	Z-1 TWA 600 mg/m3 100 ppm TWA Absorbed via skin	TWA 100 ppm STEL 150 ppm TWA Absorbed via skin STEL Absorbed via skin	Not Established

ENGINEERING:

VENTILATION: Use only with adequate ventilation, i.e., ventilation in compliance with occupational exposure limits. Use mechanical ventilation to reduce buildup of vapors in enclosed areas.

ADMINISTRATIVE CONTROLS: Read SDS and follow recommended procedures.

PROTECTIVE EQUIPMENT: Wear splash goggles. If extra protection is required, wear a face shield over the splash goggles. Face shields are effective only if worn in addition to splash goggles.

Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material.

Wear chemical-resistant gloves (butyl rubber or neoprene). Protective gloves should be inspected frequently and discarded when they exhibit cuts, tears, pinholes, or signs of excessive wear.

Respiratory protection may not be needed if the local exhaust is sufficient to maintain levels of hazardous ingredients below occupational exposure limits. If needed, use a NIOSH/MSHA approved respirator equipped with a full facepiece, organic vapor cartridges, and high-efficiency, particulate air (HEPA) filters. Do not use respirators beyond their capabilities. FOR EMERGENCIES AND UNKNOWN CONCENTRATIONS, use supplied-air respiratory protection or a positive-pressure, self-contained breathing apparatus (SCBA).

CONTAMINATED EQUIPMENT: Dispose of the waste in compliance with all Federal, state, regional, and local regulations.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance: Opaque tan liquid	Odor: Mild solvent
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Vapor Pressure: 16.7 mmHg Vapor Density: 0.8 Specific Gravity: 1.05 Freezing point: No Data Boiling range: 100°C Evaporation rate: No Data Partition coefficient (n-octanol/water): No Data Decomposition temperature: No Data Grams VOC less water: No Data	Odor threshold: No Data pH: 4 Melting point: No Data Solubility: No Data Flash point: >94C, 200F Flammability: No Data Autoignition temperature: No Data Viscosity: No Data
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Section 10 - Stability and Reactivity

Stability: Hazardous polymerization will not occur.

STABLE

Components of this mixture are incompatible with the following materials: None known

This mixture is likely to exhibit the following combustion products:

Oxides of carbon and nitrogen

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 360mg/L

Component Toxicity

64-19-7

acetic acid

Oral LD50: 3,310 mg/kg (rat) Dermal LD50: 1,060 mg/kg (rat) Inhalation LC50: 11 mg/L (rat)

Exposure to this material may affect the following organs:

Blood Kidneys Liver

Effects of Overexposure

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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Section 12 - Ecological Information

Ecological information: No data found.

Component Ecotoxicity

acetic acid

Fresh water fish
Pimephales promelas: LC50 = 88 mg/L/96h
Lepomis macrochirus: LC50 = 75 mg/L/96h
Water Flea
EC50 = 95 mg/L/24h
Microtox
Photobacterium phosphoreum: EC50 = 8.8 mg/L/15 min
Photobacterium phosphoreum: EC50 = 8.8 mg/L/25 min
Photobacterium phosphoreum: EC50 = 8.8 mg/L/5 min

Dipropylene glycol monomethyl ether

Acute toxicity to fish: Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 > 100 mg/L in the most sensitive species tested).
LC50, Poecilia reticulata (guppy), static test, 96 Hour, > 1,000 mg/l, OECD Test Guideline 203 or Equivalent
Acute toxicity to aquatic invertebrates: LC50, Daphnia magna (Water flea), static test, 48 Hour, 1,919 mg/l, OECD Test Guideline 202 or Equivalent
LC50, Crangon crangon (shrimp), semi-static test, 96 Hour, > 1,000 mg/l, OECD Test Guideline 202 or Equivalent
Acute toxicity to algae/aquatic plants: ErC50, Pseudokirchneriella subcapitata (green algae), static test, 96 Hour, Biomass, > 969 mg/l, OECD Test Guideline 201 or Equivalent
Toxicity to bacteria: EC10, Pseudomonas putida, 18 Hour, 4,168 mg/l
Chronic aquatic toxicity
Chronic toxicity to aquatic invertebrates
NOEC, Daphnia magna (Water flea), flow-through test, 22 d, > 0.5 mg/l
LOEC, Daphnia magna (Water flea), flow-through test, 22 d, > 0.5 mg/l
MATC (Maximum Acceptable Toxicant Level), Daphnia magna (Water flea), flow-through test, 22 d, > 0.5 mg/l

Section 13 - Disposal Considerations

As the US EPA, state, regional, and other regulatory agencies may have jurisdiction over the disposal of your facility's hazardous waste, it is incumbent upon you, the hazardous waste generator, to learn of and satisfy all the requirements which affect you. Dispose of the hazardous waste at a properly licensed and permitted disposal site or facility. Ensure conformity to all applicable hazardous waste disposal regulations.

The US EPA Hazardous Waste Numbers which follow are applicable to this unadulterated product if the product enters the "waste stream." Refer to Title 40 of the Code of Federal Regulations, Part 261 (40 CFR 261). This part of the Code identifies solid wastes which are subject to regulation under various sections of the Code and which are subject to the notification requirements of Section 3010 of the Resource Conservation and Recovery Act (RCRA).

Section 14 - Transport Information

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
US DOT	Non Regulated			

Section 15 - Regulatory Information

Additional regulatory listings, where applicable.

The following chemicals are listed in MA RTK
34590-94-8 Dipropylene glycol monomethyl ether 1 to 5 %

The following chemicals are on the NJ RTK list:
34590-94-8 Dipropylene glycol monomethyl ether 1 to 5 %

The following chemicals are on the PA RTK list
34590-94-8 Dipropylene glycol monomethyl ether 1 to 5 %

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Canada	Canadian Domestic Substances List	No
US	Toxic Substances Control Act	Yes

EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:
- None

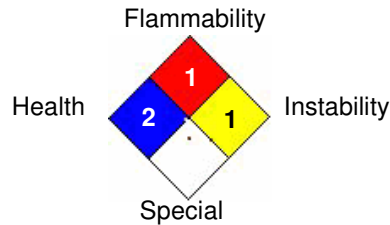
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="2"/>
FLAMMABILITY	<input type="text" value="1"/>
PHYSICAL HAZARD	<input type="text" value="1"/>
PERSONAL PROTECTION	<input type="text"/>

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = SEVERE

National Fire Protection Association (NFPA)



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Reviewer Revision

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