



## SR-71 Safety Data Sheet

### 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** SR-71 Turnout and PPE Cleaner

**Supplier Details:** Northwest Safety Clean - South Campus  
5004 SE Johnson Creek Blvd.  
Milwaukie, OR 97222  
(503) 775-2114

Northwest Safety Clean – North Campus  
8320 S. 208<sup>th</sup> St., H111  
Kent, WA 98032  
(253) 277-4131

**Recommended Use:** Multi-function Cleaning and Decontamination for all PPE Advanced Fibers in Turnouts, including Proximity Gear, Controlled Atmosphere Gear, harnesses and straps, boots, helmets and other specialty PPE.

### 2 HAZARDS IDENTIFICATION

**Classification of the Substance or Mixture:** *GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)*

Health, acute toxicity 4 Oral  
5 Dermal

Health, skin corrosion/irritation 2

Health, serious eye damage/eye irritation 2B

**GHS Label Elements Including precautionary Statements:**

**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:** H302 – Harmful if swallowed  
H313 – May be harmful in contact with skin  
H315 – Causes skin irritation  
H320 – Causes eye irritation

**GHS Precautionary Statements:**

P102 – Keep out of reach of children.  
P103 – Read label before use.  
P264 – Wash skin thoroughly after handling.  
P270 – Do not eat, drink or smoke when using this product.  
P280 – Wear protective gloves/protective clothing/eye protection/face protection  
P301 – *(if swallowed)* May cause gastrointestinal irritation. Rinse mouth. Do not induce vomiting. Call a poison center or physician if you feel unwell.  
P302 – *(if on skin)* Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.  
P304 – *(if inhaled)* Remove to fresh air  
P305 – *(if in eyes)* Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, consult medical personnel.  
P333+313 – if skin irritation or rash occurs: get medical advice/attention

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

Cas#	%	Chemical Name
61789-40-0	<2%	1-Propanaminium, 3-amino-N-(carboxymethyl) –N, N-dimethyl-, N-coco acyl derivs., inner salts
68439-50-9	<2%	Alcohols, C12-14, ethoxylated
5989-27-5	<1%	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)-
34590-94-8	<5%	Dipropylene glycol methyl ether
60-00-4	<1%	Ethylenediamine-tetraacetic acid (EDTA)
6834-92-0	<2%	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), disodium salt
68439-57-6	<6%	Sulfonic acids, C14-16-alkane hydroxyl and C14-16-alkene, sodium salts
7758-29-4	<3%	Triphosphoric acid, Pentasodium salt

\*The exact percentages and/or concentrations of ingredients have been withheld as a trade secret.

**Composition Comments:** Components and trace elements not listed are either non-hazardous or are below reportable limits.



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### 4 FIRST AID MEASURES

**Inhalation:** Not considered dangerous. Remove to fresh air.

**Skin Contact:** Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.

**Eye Contact:** Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.

**Ingestion:** Swallowing may cause gastrointestinal irritation. Do not induce vomiting. Rinse mouth with water then drink one glass of water. If irritation persists consult medical personnel.

### 5 FIREFIGHTING MEASURES

**Flammability:** Not flammable

**Extinguish:** Water

**Special Firefighting Procedures:** Self-contained breathing apparatus with a full-face piece operated in a pressure demand or other positive pressure mode.

### 6 ACCIDENTAL RELEASE MEASURES

**Small Spill:** Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.

**Large Spill:** Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.

#### WASTE DISPOSAL

**METHOD:** Review Federal, Provincial and Local Government requirements prior to disposal. PRECAUTIONS TO BE

#### TAKEN IN HANDLING

**AND STORAGE:** Exercise care and caution. Store in cool, dry place.

**OTHER PRECAUTIONS:** Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Keep material out of reach of children.

**Storage Requirements:** Store in cool/dry area.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection:** If TLV of the product or component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified condition.

**Ventilation:** Provide general or mechanical ventilation or local exhaust to keep vapor concentrations below TLV of materials in section 2 and LEL in section 9.

**Protective Gloves:** Use impermeable gloves to prevent skin contact. Use head caps, boots, chemical aprons when necessary.

**Eye Protection:** Use safety eyewear designed to protect eyes against liquid splash and mists.

**Other Protective Clothing or Equipment:** Use protective clothing to prevent skin contact. Use head caps, boots, chemical aprons when necessary.

**Work/Hygienic Practices:** Eyewashes and safety showers in the workplace are recommended. Wash hands after using. Monitor exposure levels.

Dipropylene glycol methyl ether (34590-94-8) [ $<5\%$ ] Components with workplace control parameters  
 TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV)  
 Eye & Upper Respiratory Tract irritation Central Nervous System impairment Danger of cutaneous absorption

STEL 150 ppm USA. ACGIH Threshold Limit Values (TLV)  
 Eye & Upper Respiratory Tract irritation Central Nervous System impairment Danger of cutaneous absorption

TWA 100 ppm USA. Occupational Exposure Limits (OSHA) - Table Z-1 600 mg/m<sup>3</sup> Limits for Air Contaminants

Skin designation The value in mg/m<sup>3</sup> is approximate.

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 600 mg/m<sup>3</sup> 1910.1000

Skin notation

STEL 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 900 mg/m<sup>3</sup> 1910.1000

Skin notation

TWA 100 ppm USA. NIOSH Recommended Exposure Limits 600 mg/m<sup>3</sup>

Potential for dermal absorption



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ST 150 ppm USA. NIOSH Recommended Exposure Limits 900 mg/m3

Potential for dermal absorption

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- (5989-27-5) [<1%] : no data available Ethylenediamine-tetraacetic acid (EDTA) (60-00-4) [<1%] : no data available

Silicic acid (H2SiO3), disodium salt (6834-92-0) [<2%] : no data available Triphosphoric acid, pentasodium salt (7758-29-4) [<3%] : no data available

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber	<b>Odor:</b>	Lemon
<b>Physical State:</b>	Liquid	<b>Solubility:</b>	100% in water
<b>Odor Threshold:</b>	No data available	<b>Freezing/Melting Pt.:</b>	No data available
<b>Spec Grav./Density:</b>	1.06	<b>Flash Point:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Vapor Density:</b>	No data available
<b>Boiling Point:</b>	No data available	<b>Auto-Ignition Temp:</b>	No data available
<b>Flammability:</b>	None	<b>UFL/LFL:</b>	No data available
<b>Partition Coefficient:</b>	No data available		
<b>Vapor Pressure:</b>	No data available		
<b>pH:</b>	8 - 10		
<b>Evap. Rate:</b>	No data available		
<b>Decomp Temp:</b>	No data available		

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Product is stable under normal conditions.
<b>Chemical Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	N/A
<b>Materials to Avoid:</b>	Strong Oxidizing Agents, Acids
<b>Hazardous Decomposition:</b>	Not known.
<b>Hazardous Polymerization:</b>	Will not occur.

## 11 TOXICOLOGICAL INFORMATION

Silicic acid (H2SiO3), disodium salt (6834-92-0) [<2%]

### Information on toxicological effects

<b>Acute toxicity:</b>	LD50 Oral - rat - 1,153 mg/kg	<b>Inhalation:</b>	no data available
<b>Dermal:</b>	no data available	<b>Skin corrosion/irritation:</b>	Skin - rabbit
<b>Result:</b>	Severe skin irritation - 24 h	<b>Serious eye damage/eye irritation:</b>	no data available
<b>Respiratory or skin sensitisation:</b>	no data available	<b>Germ cell mutagenicity:</b>	no data available
<b>Carcinogenicity:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA.		
<b>Reproductive toxicity:</b>	no data available		

### Specific target organ toxicity

<b>Single Exposure:</b>	May cause respiratory irritation.	<b>Repeated Exposure:</b>	no data available
<b>Aspiration hazard:</b>	no data available	<b>Additional Information:</b>	RTECS: VV9275000
burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.			

Ethylenediamine-tetraacetic acid (EDTA) (60-00-4) [<1%]

### Information on toxicological effects

<b>Acute toxicity:</b>	LD50 Oral - rat - male and female 4,500 mg/kg	<b>Inhalation:</b>	no data available
<b>Dermal:</b>	no data available	<b>Skin corrosion/irritation:</b>	Skin - rabbit
<b>Result:</b>	No skin irritation	<b>Serious eye damage/eye irritation:</b>	Eyes - rabbit
<b>Result:</b>	Eye irritation		
<b>Respiratory or skin sensitisation:</b>	skin- rabbit	<b>Result:</b>	Does not cause skin sensitisation
<b>Germ cell mutagenicity:</b>	no data available		
<b>Carcinogenicity:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA.		
<b>Reproductive toxicity:</b>	no data available		



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### Specific target organ toxicity

**Single Exposure:** no data available

**Repeated Exposure:** no data available

**Aspiration hazard:** no data available

**Additional Information:** RTECS: AH4025000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Triphosphoric acid, pentasodium salt (7758-29-4) [<3%]

### Information on toxicological effects

**Acute toxicity:** LD50 Oral – rat  
3,900 mg/kg

**Inhalation:** no data available

**Dermal:** Rabbit – 4,640 mg/kg

**Skin corrosion/irritation:** Skin - rabbit

**Result:** No skin irritation

**Serious eye damage/eye irritation:** Eyes - rabbit

**Result:** No eye irritation

### Respiratory or skin

**sensitisation:** no data available

**Result:** Does not cause skin sensitisation

**Germ cell mutagenicity:** no data available

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA.

**Reproductive toxicity:** no data available

### Specific target organ toxicity

**Single Exposure:** no data available

**Repeated Exposure:** no data available

**Aspiration hazard:** no data available

**Potential health effects:** Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

**Signs and Symptoms of Exposure:** Gastrointestinal disturbance. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects:** no data available

**Additional Information:** RTECS: YK4570000

Dipropylene glycol methyl ether (34590-94-8) [<5%]

### Information on toxicological effects

**Acute toxicity:** LD50 Oral – rat  
5,152 mg/kg

**Inhalation:** no data available

**Dermal:** LD50

**Skin corrosion/irritation:** no data available

**Result:** no data available

**Serious eye damage/eye irritation:** Eyes - rabbit

**Result:** Mild eye irritation – 24 hrs

### Respiratory or skin

**sensitisation:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP and OSHA.

**Reproductive toxicity:** no data available

### Specific target organ toxicity

**Single Exposure:** no data available

**Repeated Exposure:** no data available

**Aspiration hazard:** no data available

**Potential health effects:** Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

**Signs and Symptoms of Exposure:** Gastrointestinal disturbance. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Synergistic effects:** no data available

**Additional Information:** RTECS: JM1575000

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- (5989-27-5)[<1%]

### Information on toxicological effects

**Acute toxicity:** LD50 Oral – rat  
4,400 mg/kg

**Remarks:** Behavioral change in motor activity.



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**Dermal:** rabbit - >5,000mg/kg  
**Result:** no data available  
**Result:** no data available  
**Respiratory or skin sensitisation:** no data available  
**Germ cell mutagenicity:** no data available

**Inhalation:** Irritating to respiratory system  
**Skin corrosion/irritation:** no data available  
**Serious eye damage/eye irritation:** no data available

**Carcinogenicity:** Carcinogenicity - rat - Oral:  
 Tumorigenic: Carcinogenic by RTECS criteria. Kidney, Ureter, Bladder: Kidney tumors. Tumorigenic Effects: Testicular

**Carcinogenicity - mouse - Oral:**  
 Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Gastrointestinal: Tumors.  
 This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

**IARC:** 3 - Group 3: Not classifiable as to its carcinogenicity to humans (D-Limonene) **Carcinogenicity:**  
 No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH, NTP and OSHA.  
**Reproductive toxicity:** no data available

*Specific target organ toxicity*  
**Single Exposure:** no data available **Repeated Exposure:** no data available  
**Aspiration hazard:** no data available  
**Additional Information:** RTECS: GW6360000 Liver - Irregularities - Based on Human Evidence

## 12 ECOLOGICAL INFORMATION

Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt (6834-92-0) [<2%]

Information on ecological effects **Toxicity:** no data available  
**Persistence and degradability:** no data available **Bioaccumulative potential:** no data available **Mobility in soil:** no data available  
**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted  
**Other adverse effects:** no data available

Ethylenediamine-tetraacetic acid (EDTA) (60-00-4) [<1%] **Information on ecological effects**  
**Toxicity:**  
 Toxicity to fish static test LC<sub>50</sub> - Lepomis macrochirus (Bluegill sunfish) - 41 mg/l - 96 h. Toxicity to daphnia and static test EC<sub>50</sub> - Daphnia magna (Water flea) - 625 mg/l - 48 h. other aquatic invertebrates  
**Persistence and degradability:** Bioaccumulative potential: Bioaccumulation Lepomis macrochirus - 28 d - 80 µg/l Bioconcentration factor (BCF): 1.8  
**Mobility in soil:** no data available  
**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted  
**Other adverse effects:** May be harmful to aquatic organisms due to the shift of the pH. Avoid release to the environment.

Triphosphoric acid, pentasodium salt (7758-29-4) [<3%] **Information on ecological effects**  
**Toxicity:**  
 Toxicity to daphnia EC<sub>50</sub> - Daphnia - 276.61 mg/l - 48 h. and other aquatic invertebrates  
**Persistence and degradability:** no data available **Bioaccumulative potential:** no data available **Mobility in soil:** no data available  
**PBT and vPvB assessment:** no data available **Other adverse effects:** no data available

Dipropylene glycol methyl ether (34590-94-8) [<5%] **Information on ecological effects**  
**Toxicity:**  
 Toxicity to fish LC<sub>50</sub> - Pimephales promelas (fathead minnow) - > 10,000 mg/l - 96 h. Toxicity to daphnia EC<sub>50</sub> - Daphnia magna (Water flea) - 1,919 mg/l - 48 h. and other aquatic invertebrates  
**Persistence and degradability:** Biodegradability Bioaccumulative potential: no data available **Mobility in soil:** no data available  
**PBT and vPvB assessment:** no data available **Other adverse effects:** no data available

Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- (5989-27-5) [<1%]  
**Information on ecological effects** **Toxicity:**  
 Toxicity to fish LC<sub>50</sub> - Pimephales promelas (fathead minnow) - 0.702 mg/l - 96.0 h.  
 Toxicity to daphnia and EC<sub>50</sub> - Daphnia pulex (Water flea) - 69.6 mg/l - 48 h.  
 other aquatic invertebrates



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Persistence and degradability: no data available Bioaccumulative potential: no data available Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

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### 13 DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Review Federal, Provincial and Local Government requirements prior to disposal

### 14 TRANSPORTATION INFORMATION

Non-hazardous

### 15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

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 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts (61789-40-0) [<2%] TSCA Alcohols, C12-14, ethoxylated (68439-50-9) [<2%] TSCA  
 Dipropylene glycol methyl ether (34590-94-8) [<5%] MASS, OSHAWAC, PA, TSCA, TXAIR Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt (6834-92-0) [<2%] TSCA  
 Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6) [<6%] TSCA Triphosphoric acid, pentasodium salt (7758-29-4) [<3%] TSCA

SARA Title III chemicals: None

California Prop 65 chemicals: This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

CERCLA reportable quantity: None RCRA hazardous waste no: None


#### Regulatory CODE Descriptions

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 RQ Reportable Quantity  
 TSCA Toxic Substances Control Act List  
 MASS Massachusetts Hazardous Substances  
 OSHAWAC = OSHA workplace Air Contaminants  
 PA = PA Right-To-Know List of Hazardous Substances  
 TXAIR = TX Air Contaminants with Health Effects Screening Level

### 16 OTHER INFORMATION

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves

HMIS	PPE
<b>HEALTH</b> <input type="checkbox"/> <input type="checkbox"/>	
<b>FLAMMABILITY</b> <input type="checkbox"/>	
<b>PHYSICAL HAZARD</b> <input type="checkbox"/>	
<b>PERSONAL PROTECTION</b> <input type="checkbox"/>	

HMIS Index: 1-slight , 2-moderate, 3-serious, 4-severe

The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Northwest Safety Clean assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

Sections 11 and 12 are based on composition of 100% raw materials. ISSUE DATE: 05/13/15

REVISION DATE: 12/5/2016