SR-71 SP SPOTTER Safety Data Sheet

1 Product and Company Identification

Product Identifier: SR-71 SP Spotter

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

Recommended Use: Removes tar, grease, diesel, paint and most plastic residues from Nylon, PBI™, Kevlar™, Nomex™, and Polypropylene. Not for use on moisture barriers. Citrus-based presoak & hard stain remover.

2 Hazards Identification

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

Physical, Flammable Liquids	4
Health, acute toxicity	5 Oral
Health, skin corrosion/irritation	2
Health, serious eye damage/eye irritation	2B
Environmental, Hazards to the aquatic environment – Chronic, 3	

GHS Label Elements Including precautionary Statements:

GHS Signal Word: WARNING

GHS Hazard Pictograms:

GHS Hazard Statements:
H227 – Combustible liquid
H303 – May be harmful if swallowed
H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H320 – Causes eye irritation
H412 – Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:
P102 – Keep out of reach of children.
P103 – Read label before use.
P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P243 – Take precautionary measures against static discharge.
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 – Wash skin thoroughly after handling.
P273 – Avoid release to the environment
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.
P303 – *(if on skin or hair)* Remove/Take off immediately all contaminated clothing. Wash with large amount of soap and water. 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
P370+378 – In case of fire: Use water, CO_2, foam or dry powder for extinguishing
P403 – Store in a well ventilated place. Keep container tightly closed. Keep cool.
P501 – Dispose of contents/container in accordance with Federal, Provincial and Local Government requirements

3 Composition/Information on Ingredients

Ingredients:

Cas#	*%*	*Chemical Name*
34590-94-8	>50%	Dipropylene glycol methyl ether
5989-27-5	<50%	Orange Terpenes

*The exact percentage (or concentration) of ingredients has 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: Immediate medical attention is not required. Move to fresh air. Call physician if symptoms persist.

Skin Contact: Prolonged or repeated and confined exposure may cause skin irritation. If skin irritation or a rash occurs - get medical advice/attention. Remove/Take off all immediately.

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. Risk of damage to lungs exceeds poisoning risk. Drink plenty of water. Immediate medical attention is not required. Rinse mouth. If irritation persists consult medical personnel.

5 Firefighting Measures

Flammability: Combustible

Extinguish: Water, CO2, Foam, Dry Powder – avoid use of water stream when fighting fire. May spread.

Specific Hazards During firefighting: In the event of fire and/or explosion, do not breathe fumes. May cause sensitization by inhalation and skin contact. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Heat from fire can generate flammable vapors. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Flammable vapors may be heavier than air and travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Cool containers with flooding quantities of water until well after fire is out. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Move containers from fire area if it can be done without risk. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special Firefighting Procedures: Self-contained breathing apparatus with a full-face piece operated in a pressure demand or other positive pressure mode. Structural PPE will only provide limited protection.

6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe areas. Use personal protective equipment as required. Clean-up only to be performed by trained and properly equipped personnel. Eliminate all sources of ignition. Ensure adequate ventilation, especially in confined areas. Keep people away from upwind of spill/leak.

Environmental Precautions: Prevent further leakage or spillage, if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer systems.

Methods for Containment: If safe, prevent further leakage or spillage.

Methods for Cleaning: Pick up and transfer to properly labeled containers. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to labeled containers. Use clean non-sparking tools to collect absorbed material.

7 Handling and Storage

Handling Precautions: Keep material out of reach of children.

Advice on Safe Handling: Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep away from heat, sparks, flame and other sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded. Use with local exhaust ventilation. Never use air pressure for transferring product.

Storage Requirements: Keep properly labeled containers tightly closed in a cool, well-ventilated place. Flammable mixtures may exist within the vapor space of containers at room temperature. Minimize sources of ignition, such as static build-up, heat, spark or flame. 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.

8 Exposure Controls/Personal Protection

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection: Handle with gloves. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection: Use safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

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Skin & Body Protection: The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Exposure Guidelines/Other: Components with workplace control parameters

Dipropylene glycol methyl ether (34590-94-8) [>50%]

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/m3 Limits for Air Contaminants (value in mg/m3 is approximate) Skin designation

TWA 100 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
600 mg/m3 1910.1000 Skin notation

STEL 150 ppm USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
900 mg/m3 1910.1000 Skin notation

TWA 100 ppm USA. NIOSH Recommended Exposure Limits
600 mg/m3 Potential for dermal absorption

ST 150 ppm USA. NIOSH Recommended Exposure Limits
900 mg/m3 Potential for dermal absorption

Orange Terpenes (5989-27-5) [<50%]: no data available

9 Physical and Chemical Properties

Appearance:	Clear		
Physical State:	Liquid	**Odor:**	Citrus
Odor Threshold:	No data available	**Solubility:**	Miscible
Spec Grav./Density:	0.9	**Freezing/Melting Pt.:**	No data available
Viscosity:	No data available	**Flash Point:**	No data available
Boiling Point:	No data available	**Vapor Density:**	No data available
Flammability:	Combustible	**Auto-Ignition Temp**:	No data available
Partition Coefficient:	No data available	**UFL/LFL:**	No data available
Vapor Pressure:	No data available		
pH:	6.5		
Evap. Rate:	No data available		
Decomp Temp:	No data available		

10 Stability and Reactivity

Reactivity: Product is stable under normal conditions.
Chemical Stability: Product is stable under normal conditions.
Conditions to Avoid: Heat, open flame, sparks, other ignition sources and oxidizing conditions.
Materials to Avoid: Strong acids, bases and oxidizers
Hazardous Decomposition: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomp products can include and not limited to: aldehydes, keytones, and organic acids.
Hazardous Polymerization: Will not occur.

11 Toxicological Information

Dipropylene glycol methyl ether (34590-94-8) [>50%] - Information on toxicological effects
Acute toxicity: Oral LD50 LD50 Oral - rat - 5,152 mg/kg
Inhalation LC50 no data available
Dermal LD50

Skin corrosion/irritation: Serious eye damage/eye irritation:
Eyes - rabbit - Mild eye irritation - 24 h
Respiratory or skin sensitization: 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, OSHA.
Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity: single exposure (Globally Harmonized System): no data available
Specific target organ toxicity: repeated exposure (Globally Harmonized System): 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. May cause eye irritation.
Signs and Symptoms of Exposure: 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

Orange Terpenes (5989-27-5) [<50%] - Information on toxicological effects
Acute toxicity: LD50 Oral - rat - 4,400 mg/kg Behavioral Change in motor activity (specific assay). Respiratory disorder Skin and Hair.
Inhalation: Irritating to respiratory system.
LD50 Dermal - rabbit - > 5,000 mg/kg
Skin corrosion/irritation: no data available
Serious eye damage/eye Irritation: no data available
Respiratory or skin sensitization: May cause sensitization by skin contact.
Germ cell mutagenicity: no data available
Carcinogenicity: No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH, NTP, OSHA.
IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (D-Limonene)

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.

Reproductive toxicity: no data available
Specific target organ toxicity: single exposure: no data available
Specific target organ toxicity: repeated exposure: no data available
Aspiration hazard: no data available
Additional Information: RTECS: GW6360000
Liver - Irregularities - Based on Human Evidence

12 Ecological Information

Dipropylene glycol methyl ether (34590-94-8) [>50%] - Information on ecological effects
Toxicity:
To Fish – LC50 – Pimephales promelas (fathead minnow) - > 10,000 mg/l – 96h.
To Daphnia - EC50 – Daphnia magna (water flea) – 1,919 mg/l – 48h 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

Orange Terpenes (5989-27-5) [<50%]
Toxicity:
To Fish – LC50 – Pimephales promelas (fathead minnow) - .702 mg/l – 96h.
To Daphnia - EC50 – Daphnia magna (water flea) – 69.6 mg/l – 48h

Persistence and Degradability: no data available
Bioaccumulative Potential: no data available
Mobility in Soil: no data available
PBT and vPvB Assessment: no data- chemical safety assessment not required
Other adverse effects: Environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

13 Disposal Considerations

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

14 Transportation Information

NA1993, combustible liquid, n.o.s., combustible liquid, PG111

Special Provisions: DOT – 173.50 exception applies (not hazardous to ship ground under 110 gallons).

15 Regulatory Information

Component (CAS#) [%] – CODES
Dipropylene glycol methyl ether (34590-94-8) [>50%] MASS, OSHAWAC, PA, TSCA, TXAIR
Orange Terpenes (5989-27-5) [<50%] TSCA

All ingredients for this product are listed on the TSCA inventory.
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:
MASS = MA Massachusetts hazardous Susbstances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of hazardous substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

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16 Other Information

HMIS III: Health = 2, Fire = 0, Physical Hazard = 0
HMIS PPE: B - Safety Glasses, Gloves

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

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Sections 11 and 12 are based on composition of 100% raw materials.
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