

Safety Data Sheet

Issue Date: 01-Oct-2002

Revision Date: 13-Nov-2014

Version 1

1. IDENTIFICATION

Product Identifier

Product Name 2510 Screen Wash Gel

Other means of identification

SDS # NSS-005

Recommended use of the chemical and restrictions on use

Recommended Use Screen Wash.

Details of the supplier of the safety data sheet

Supplier Address

Northwest Screen Systems Co.
4204 East Lake Street
Minneapolis, MN 55406

Emergency Telephone Number

Company Phone Number 1-612-729-7365
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Viscous amber gel (looks like applesauce)

Physical State Liquid

Odor Mild citrus

Classification

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed
Causes mild skin irritation

Signal Word

Warning

Hazard Statements

Causes serious eye irritation
May cause an allergic skin reaction



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Seek immediate medical attention/advice
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects

Unknown Acute Toxicity

4.1% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Trade Secret	Proprietary	Proprietary
Trade Secret	Proprietary	Proprietary
Trade Secret	Proprietary	Proprietary
Trade Secret	Proprietary	Proprietary

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention/advice.
Skin Contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Inhalation	Remove to fresh air. Seek medical attention if breathing becomes difficult or symptoms develop.
Ingestion	Rinse mouth. If within 30 minutes of ingestion, give a small glass of water. Never give anything by mouth to an unconscious person. Do not induce vomiting, unless directed by medical personnel. Get immediate medical attention.

Most important symptoms and effects

Symptoms	Causes serious eye irritation. Causes mild skin irritation. May cause an allergic skin reaction. Inhalation of vapors can cause respiratory irritation and nervous system depression. Ingestion may cause symptoms of gastrointestinal irritation including abdominal discomfort, nausea, vomiting, and diarrhea.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician Medical conditions generally aggravated by exposure: skin and eye disorders.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water. Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Keep away from heat, sparks or open flame.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO₂).

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment as required.

Environmental Precautions Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13: DISPOSAL CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up For small spills, take up with earth, sand, or other noncombustible absorbent material and place into sealable containers for later disposal. For large spills, dike far ahead of spill for later disposal. Do not release into sewers or waterways.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Use with adequate ventilation. Follow all SDS/label precautions even after container is emptied, because it may retain product residues. Do not reuse empty container for food, clothing, or products for human or animal consumption.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from incompatible materials. Store containers upright.

Incompatible Materials Strong acids. Strong alkalis. Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Trade Secret	STEL: 150 ppm TWA: 100 ppm S*	TWA: 100 ppm TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ (vacated) S* S*	IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Safety goggles or safety glasses with side shields.
- Skin and Body Protection** Prevent skin contact by wearing chemically resistant gloves, aprons, impervious clothing, and boots.
- Respiratory Protection** Under normal use and in the presence of adequate ventilation, no respiratory protection is necessary. If ventilation is inadequate or exposure limits are exceeded, the use of an approved air purifying respirator may be necessary. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134). If there is a potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection, use a positive pressure air supplied respirator.
- General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild citrus
Appearance	Viscous amber gel (looks like applesauce)	Odor Threshold	Not determined
Color	Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	6	
Melting Point/Freezing Point	No Data Available	
Boiling Point/Boiling Range	No Data Available	
Flash Point	104 °C / 220 °F	Estimated
Evaporation Rate	No Data Available	
Flammability (Solid, Gas)	Liquid-Not Applicable	
Upper Flammability Limits	No Data Available	
Lower Flammability Limit	No Data Available	
Vapor Pressure	No Data Available	
Vapor Density	No Data Available	
Specific Gravity	No Data Available	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	No Data Available	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Keep separated from incompatible substances. Keep out of reach of children.

Incompatible Materials

Strong acids. Strong alkalis. Strong oxidizers.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide (CO₂).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

- Eye Contact** Causes serious eye irritation.
- Skin Contact** Causes mild skin irritation. May cause an allergic skin reaction.
- Inhalation** Avoid breathing vapors or mists.
- Ingestion** May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade Secret	= 8191 mg/kg (Rat)	-	> 5.6 mg/L (Rat) 4 h
Trade Secret	= 3384 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
Trade Secret	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Trade Secret	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	-
Trade Secret	-	> 5 g/kg (Rabbit)	-
Trade Secret	= 1920 mg/kg (Rat)	-	-
Trade Secret	= 1310 mg/kg (Rat)	= 2 mL/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization May cause an allergic skin reaction.

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Chemical Name	ACGIH	IARC	NTP	OSHA
Trade Secret		Group 3		X

Legend

*IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present*

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity 4.1% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Trade Secret		19.6 - 26.2: 96 h Pimephales promelas mg/L LC50 static		122.1 - 163.5: 48 h Daphnia magna mg/L EC50
Trade Secret	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static		2850: 24 h Daphnia magna mg/L EC50 100: 48 h Daphnia magna mg/L EC50
Trade Secret		50 - 100: 96 h Brachydanio rerio mg/L LC50 static		
Trade Secret		10000: 96 h Pimephales promelas mg/L LC50 static		1919: 48 h Daphnia magna mg/L LC50
Trade Secret		0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50		

Persistence/Degradability

This product is biodegradable.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Trade Secret	-0.064

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Trade Secret	Toxic

14. TRANSPORT INFORMATION

- Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
- DOT** Not regulated
- IATA** Not regulated
- IMDG**
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Trade Secret	Present	X		Present		Present	X	Present	X	X
Trade Secret	Present	X		Present		Present	X	Present	X	X
Trade Secret	Present	X		Present		Present	X	Present	X	X
Trade Secret	Present	X		Present		Present	X	Present	X	X

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*
- AICS - Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Trade Secret -		22.6	1.0
Trade Secret -		9.1	1.0

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trade Secret	X		X
Trade Secret	X	X	X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not determined	Not determined	Not determined	Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet