

MATERIAL SAFETY DATA SHEET

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2510 Screen Wash Gel

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This Material Safety Data Sheet (MSDS) contains toxicology, industrial hygiene, and environmental information for your employees. Please make sure they are provided with this information. It also contains information to assist with meeting community right-to-know and emergency response reporting requirements under SARA Title III and other laws. If you resell this product, provide the buyer with this MSDS or incorporate this information into a new MSDS. Disregard any previous edition of this MSDS. This MSDS was prepared according to the OSHA Hazard Communication Standard (29 CFR§1910.1200) and the ANSI Z400.1) by Hazard Information Services, 8100 34th Ave. South, P.O. Box 1309, MPLS, MN 55440-1309

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME: 2510 Screen Wash Gel
CHEMICAL NAME: Mixture

RESPONSIBLE PARTY: Northwest Screen Systems Co.
4204 East Lake Street
Minneapolis, MN 55406
USA

TELEPHONE NUMBERS :

PRODUCT INFORMATION (8-5 CST): Northwest Screen Systems Co.
(612) 729-7365 or
1-800-221-4079
ALL EMERGENCIES (24 HR): Infotrac
1-800-535-5053

SECTION 2 - COMPOSITION AND INFORMATION OF INGREDIENTS

Mixture: NJ TSRN: 411411260-5002p

The exact identity of the ingredients are being withheld because they are considered a trade secret. The hazards associated with these ingredients are addressed in this document. For specific information on these trade secret ingredients, assistance or information on the management of exposures or spills, or safety assessments, please call Infotrac 1-800-535-5053.

SECTION 3 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW;

APPEARANCE AND ODOR: Viscous Amber Gel, mild citrus odor.

STATEMENT OF HAZARD: **WARNING!**

ACUTE HAZARDS

- * May cause severe eye irritation.
- * May cause skin irritation.
- * May cause central nervous system depression.

CHRONIC HAZARDS

- * May cause skin sensitization.
- * May cause adverse systematic effects.
- * Contains a suspected animal carcinogen.

NFPA RATING: Health-2 Flammability-2 Reactivity-0 Special-NDA
HMIS RATING: Health-2 Flammability-2 Reactivity-0 Safety Equip-x

NFPA and HMIS ratings were assigned by Hazard Information Services based on criteria published by the National Fire Protection Association and the National Paint & Coatings Association respectively, and should only be interpreted by persons trained in these rating systems.

ROUTES OF ENTRY

- * Eye contact
- * Skin contact- skin contact with significant amounts may result in adverse systematic effects.
- * Ingestion-ingestion may result in adverse systematic effects.
- * Inhalation-inhalation of mists or vapors may cause adverse systematic effects.

POTENTIAL HEALTH EFFECTS

The degree of injury will depend upon exposure dose and speed and thoroughness of first aid treatment.

ACUTE EFFECTS

Local Effects (eyes, skin, nose, throat, stomach, etc....)

- *May cause severe eye irritation with possible transient corneal injury.
- *May cause moderate skin irritation.

SYSTEMATIC EFFECTS

- *Ingestion may cause abdominal pain, vomiting, diarrhea and central nervous system depression and adverse systematic effects.
- *Significant exposure by all route may result in adverse systematic effects.

SUB-CHRONIC EFFECTS

- * May cause skin sensitization.

NON-CARCINOGENIC CHRONIC EFFECTS

- *Repeated or prolonged skin contact with extremely large amounts may result in the absorption of harmful amounts.

REPRODUCTIVE OR DEVELOPMENTAL EFFECTS

*This product is in compliance with the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (proposition 65).

CANCER

*This product conforms to 29 CFR §1910.1200(g)(2)(vii).

*This product is in compliance with the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

*D-limonene (5989-27-5) has shown evidence of carcinogenicity in animal studies conducted by the National Toxicology Program (NTP).

* IARC has determined that amorphous silica, fumed (67256-35-3) is not classifiable as to its carcinogenicity based on inadequate evidence in both experimental animals and humans (IARC Group 3).

TARGET ORGANS

- *All tissues (irritation).
- *Central nervous system
- *Kidneys
- *Liver

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

- *Eye and skin disorders

SECTION 4 - FIRST AID

For assistance with medical emergencies contact Infotrac 1-800-535-5053, 24 hours a day.

EYE CONTACT

- *Immediately flush with plenty of water.
- *Remove contact lenses and continue flushing for at least 15 minutes.
- *Seek medical attention immediately.

SKIN CONTACT

- *Remove contaminated clothing.
- *Flush affected area with water for at least 15 minutes.
- *Wash affected area with mild soap and water.
- *Seek medical attention if symptoms develop and persist.

INGESTION

- *Immediately rinse mouth out with plenty of water.
- *If within 30 minutes after ingestion, give small glass of water or milk (NEVER give anything by mouth to an unconscious person).
- *Do not induce vomiting unless instructed to do so by a physician or poison center.
- *Seek medical attention immediately.

INHALATION

- *Remove to fresh air.
- *Seek medical attention if breathing becomes difficult.

NOTES TO PHYSICIANS

*Contact Infotrac 1-800-535-5053 for assistance with the management of exposures to this product.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point and Method: 220F (104C) Estimated.
Flammable Limits: NDA
Auto Ignition Temperature: NDA

GENERAL HAZARD

- *Keep away from sparks, heat or open flame.

EXTINGUISHING MEDIA

- *Use water, alcohol foam, carbon dioxide or dry chemical.

FIRE FIGHTING INSTRUCTIONS

- *Wear appropriate protective clothing.
- *Use self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS

- *Carbon monoxide (CO)
- *Carbon dioxide (CO₂)

SENSITIVITY OF EXPLOSION BY MECHANICAL CONTACT

- *NDA

SENSITIVITY OF EXPLOSION BY STATIC DISCHARGE

- *NDA

SECTION 6 - ACCIDENTAL RELEASE MEASURES

For assistance with accidental release contact Infotrac 1-800-535-5053, 24 hours a day.

GENERAL

- *Do not attempt to clean up chemical spills without appropriate protective equipment. (see section 8)
- *Extinguish or remove all ignition sources.
- *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 for later disposal.
- *Keep waste out of sewers, watersheds and waterways.
- *See section 13 for information on the disposal of recovered material.

REPORTABLE QUANTITIES (RQ)

- *None
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SECTION 7 - HANDLING AND STORAGE

Storage temperature: Ambient
Storage pressure: Atmospheric

GENERAL

- *Use with adequate ventilation.
 - *Store away from incompatible materials. (see section 10)
 - *Store upright in a cool, dry, well ventilated area out of direct sunlight.
 - *Use with proper personal protective equipment. (see section 8)
 - *Empty containers may retain hazardous properties, follow all MSDS/label warnings even after container is emptied.
 - *Do not reuse empty container for food, clothing, or products for human or animal consumption.
 - *Keep this and all chemicals out of reach of children.
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SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS

- *Ensure adequate ventilation.

PERSONAL PROTECTION: Respirator

- *Under normal use and in the presence of adequate ventilation, no respiratory protection is necessary.
- *If ventilation is inadequate, the use of an 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, or 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.

EYE PROTECTION

*Wear safety glasses with side shields (or goggles).

PROTECTIVE CLOTHING

*Prevent skin contact by wearing chemically resistant gloves, apron, impervious clothing, and boots.

SAFETY EQUIPMENT

*Eyewash fountain

*Safety shower

GENERAL

*Use good personal and industrial hygiene practices.

*Wash thoroughly after using this product.

*Keep product off of clothing and equipment.

*Launder contaminated clothing before re-use.

*Do not eat, drink or smoke in any work area.

*It is always good industrial hygiene practice to limit, to the extent feasible, skin and eye contact and inhalation of chemical products.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Viscous Gel
Appearance:	Looks like applesauce
Odor:	Mild citrus odor
Vapor Pressure:	NDA
Vapor Density:	NDA
Evaporation Rate:	(n-butyl acetate = 1) NDA
% Volatile by Volume:	NDA
Freezing Point:	NDA
Melting Point:	NDA
Boiling Point:	NDA
Viscosity:	NDA
Specific Gravity:	NDA
Bulk Density:	NDA
Solubility:	Complete
pH:	6

SECTION 10 - STABILITY AND REACTIVITY

GENERAL

*This product will not polymerize.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID

*Strong acids

*Strong alkalis

*Strong oxidizers

*Always test the compatibility of materials before mixing or storing together.

HAZARDOUS DECOMPOSITION PRODUCTS

*Carbon monoxide (CO)

*Carbon dioxide (CO₂)

SECTION 11 - TOXICOLOGICAL INFORMATION

This section provides relevant information with regard to any toxicity studies performed on the product, or the "pure" form of the component(s). This information can be subjected to misinterpretation. Therefore, it is essential that the following information be interpreted by individuals trained in its evaluation. For assistance with interpreting this information, contact Infotrac 1-800-535-5053, 24 hours a day.

PRODUCT BASED

The exact ingredients of this product are considered to be proprietary. Exposure can occur by inhalation of mists or vapors, ingestion or eye or skin contact. Inhalation of mists or vapors may cause upper respiratory tract irritation with symptoms such as coughing, watery eyes and nasal discharge. Exposure to concentrated vapors or mists may cause central nervous system depression. Repeated or prolonged inhalation exposure may result in adverse systematic effects. Ingestion of this product may result in nausea, vomiting, diarrhea and central nervous system depression. Kidney damage may occur following ingestion of large quantities of this product. Skin contact with this product is expected to cause moderate irritation. Repeated or prolonged skin contact with this product may result in the absorption of harmful amounts. Repeated or prolonged contact with a minor component of this product can cause skin sensitization following dermal exposure. Eye contact with this product can cause moderate to severe irritation with possible transient corneal injury. Exposure to a significant component of this product did not result in adverse developmental or reproductive effects in animal studies. D-limonene (CAS#5989-27-5) has been shown to cause carcinogenic effects in male rats in studies conducted by the NTP. IARC has determined that amorphous silica, fumed (CAS#67256-35-3) is not classifiable to this carcinogenicity based in inadequate animal and human data (IARC Group 3). There is no additional data available addressing the possible adverse reproductive, developmental or carcinogenic effects in humans following exposure to this product.

SECTION 12 - ECOLOGICAL INFORMATION: NDA for this product.

SECTION 13 - DISPOSAL INFORMATION

GENERAL

*Consult a local expert for advise on the disposal of this material.

- *Characteristics of recovered material may differ from those of original material.
- *Ensure that disposal is in compliance with local, state, and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not considered A hazardous material

SECTION 15 - REGULATORY INFORMATION

CHEMICAL INVENTORIES

- *With the following exception, all components of this product listed in Section 2 are included on the TSCA inventory list, the DSL/NDSL, and the EINECS.
- *Polyethylene glycol dimethyl ether (CAS#24991-55-7) and nonylphenol + EO polyethoxylate (CAS#9016-45-9) are not listed on the EINECS.

REPORTABLE QUANTITIES (RQ)

*None

SARA TITLE III (Superfund Amendments and Reauthorization Act)

§302 Extremely Hazardous Materials

*None

§304 Notification of Accidental Release

*None

§311/312 Hazard Categories

Immediate (Acute) Health Effects:	Yes
Delayed (Chronic) Health Effects:	Yes
Fire Hazard:	No
Sudden Release of Pressure:	No
Reactivity Hazard:	No

§313 Toxic Chemical Release Reporting

*None

STATE REGULATORY INFORMATION

Since each state has the authority to promulgate standards more stringent than the federal government, this section cannot provide an inclusive list of all state regulations which apply to this product. Questions related to state regulations should be directed toward local officials or NORTHWEST SCREEN SYSTEMS at (612) 729-7365.

SECTION 16 - OTHER INFORMATION

ABBREVIATIONS:

ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
CAS#-CHEMICAL ABSTRACTS SERVICE NUMBER
DOT-DEPARTMENT OF TRANSPORTATION
DSL-DOMESTIC SUBSTANCE LIST
EINECS-EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES
IARC-INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IATA-INTERNATIONAL AIR TRANSPORT ASSOCIATION
IDLH-IMMEDIATELY DANGEROUS TO LIFE AND HEALTH
IMO-INTERNATIONAL MARITIME ORGANIZATION
LEL-LOWER EXPLOSION LIMIT
MSDS-MATERIAL SAFETY DATA SHEET
NDSL-NON-DOMESTIC SUBSTANCE LIST
NIOSH-NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NTP-NATIONAL TOXICOLOGY PROGRAM
OSHA-OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL-PERMISSABLE EXPOSURE LIMIT
RTECS-REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
STEL-SHORT TERM EXPOSURE LIMIT
TERIS-TERATOGEN INFORMATION SYSTEM
TSCA-TOXIC SUBSTANCES CONTROL ACT
TWA-TIME WEIGHTED AVERAGE
UEL-UPPER EXPLOSION LIMIT

REVISION SUMMARY

ISSUE DATE: 5-20-97

SUPERSEDES: NONE

REASONS FOR USE: NEW MSDS

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