

MATERIAL SAFETY DATA SHEET

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2650 Premium Screen Wash

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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: 2650 Premium Screen Wash
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: 411411260-5003P

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: Clear liquid with little or no odor.

STATEMENT OF HAZARD: **WARNING!**

ACUTE HAZARDS

- * May cause moderate-severe eye irritation
- * May cause moderate skin irritation
- * Combustible Liquid

CHRONIC HAZARDS

- * May cause dermatitis

NFPA RATING: Health-2 Flammability-1 Reactivity-0 Special-NDA
HMIS RATING: Health-2 Flammability-1 Reactivity-0 Protect 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.

1996 DOT Emergency Response Guide Book: 128

ROUTES OF ENTRY

- * Eye contact
- * Skin contact
- * Ingestion
- * Inhalation

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 moderate to severe eye irritation.
- *May cause moderate skin irritation

SYSTEMATIC EFFECTS

*May cause abdominal pain, vomiting, diarrhea, headache, drowsiness, weakness and incoordination.

SUB-CHRONIC EFFECTS

*NDA

NON-CARCINOGENIC CHRONIC EFFECTS

*May cause dermatitis

REPRODUCTIVE OR DEVELOPMENTAL EFFECTS

*None of the components of this product are listed on the State of California's list of chemicals known to cause cancer or reproductive toxicity as required by the California Safe Drinking Water and Toxic Enforcement Act of 1986 (proposition 65)

CANCER

*The components of this product with concentrations of at least 0.1% are not listed as carcinogens or potential carcinogens by NTP, IARC or OSHA [see 29 CFR §1910.1200(g)(2)(vii)].

*The components of this product with concentrations of at least 0.1% are not listed in the State of California's list of chemicals known to cause Cancer or reproductive toxicity as required by the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

TARGET ORGANS

*All tissues (irritation)

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

*Possibly 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 if irritation develops or persists.

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 (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 or symptoms develop

NOTES TO PHYSICIANS

*Contact Hazard Information Services for assistance with the management of exposures to this product

SECTION 5 - FIRE FIGHTING MEASURES

Flash point and Method: >150°F (66°C) SW 846 Method 1010
(EPA)
Flammable Limits: NDA
Auto Ignition Temperature: NDA

GENERAL HAZARD

- *Keep away from sparks, heat or open flame
- *Combustable liquid
- *Vapors may form explosive mixtures with air.
- *Vapors may travel to source of ignition and flash back.
- *Vapor explosion hazard indoors, outdoors and in sewers.

EXTINGUISHING MEDIA

- *Use water spray, fog, regular foam, alcohol foam, carbon dioxide or dry chemical

FIRE FIGHTING INSTRUCTIONS

- *Wear appropriate protective clothing
- *Use self-contained breathing apparatus
- *Cool containers with flooding quantities of water until well after fire is out.

HAZARDOUS COMBUSTION PRODUCTS

- *Carbon monoxide (CO)
- *Carbon dioxide (CO₂)
- *Nitrogen containing compounds (e.g. NO_x)

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 personal protective equipment. (see section 8)
- *Extinguish or remove all ignition sources

- *A vapor suppressing foam may be used to reduce vapors
- *Use clean non-sparking tools to collect materials
- *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

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

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 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:	Liquid
Appearance:	Clear
Odor:	Mild or no odor
Vapor Pressure:	NDA
Vapor Density (air = 1):	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:	NDA
pH:	3.4

SECTION 10 - STABILITY AND REACTIVITY

GENERAL

*This product will not polymerize. This product is stable under normal conditions.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID

- *Strong acids
- *Strong bases
- *Strong oxidizing agents
- *Always test the compatibility of materials before mixing or storing together

HAZARDOUS DECOMPOSITION PRODUCTS

- *Carbon monoxide (CO)
- *Carbon dioxide (CO₂)
- *Nitrogen containing compounds (e.g. NO_x)

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 it's 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, and skin or eye contact. Inhalation of mists or vapors is expected to cause upper respiratory tract irritation with symptoms such as coughing, watery eyes and nasal discharge. Exposure to concentrated vapors or mists may cause headache, nausea, vomiting, dizziness, drowsiness, weakness, and incoordination. A minor component caused lethargy and irregular breathing in inhalation animal studies. Ingestion of this product may result in nausea, vomiting and diarrhea. Irritation to the mouth, throat and esophagus may also occur. Skin contact with this product is expected to cause moderate irritation. repeated or prolonged contact may cause dermatitis. Eye contact with this product can cause moderate to severe irritation and possibly swelling of the conjunctiva. A minor component of this product was shown to cause adverse developmental effects in animal studies. A minor component of this product did not cause adverse carcinogenic effects in animal studies. However, there are no additional data available addressing the possible adverse reproductive, developmental, or carcinogenic effects in either humans or experimental animals 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: Combustible liquid, n.o.s. (methyl proposal acetate, dipropylene glycol methyl ether acetate) combustible liquid, NA 1993, III

* This shipping name is applicable for domestic transportation purposes only. This shipping name does not apply to transportation of this product outside of the United States of America

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
- *Dipropylene glycol methyl ether acetate (CAS# 88917-22-0) is not listed on the EINECS
- * Dipropylene glycol methyl ether acetate (CAS# 88917-22-0) is not listed on the confidential portion of the TSCA inventory: ACC Bona Fide Intent #52-8400478

REPORTABLE QUANTITIES (RQ)

*None

SARA TITLE III (Superfund Amendments and Reauthorization Act)

§302 Extremely Hazardous Materials

*None listed

§304 Notification of Accidental Release

*None listed

§311/312 Hazard Categories

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

§313 Toxic Chemical Release Reporting

*N-methyl pyrrolidone (872-50-4)

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 official 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

SUPERSEDES: NONE

ISSUE DATE: 9-24-97

REASONS FOR USE: NEW MSDS

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