

MATERIAL SAFETY DATA SHEET

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2100 PRESS 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 editions of this MSDS. This MSDS was prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (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: **2100 PRESS WASH**
CHEMICAL NAME: **MIXTURE**

RESPONSIBLE PARTY: **NORTHWEST SCREEN SYSTEMS CO.
4204 EAST LAKE STREET
MINNEAPOLIS, MN 55406**

TELEPHONE NUMBERS (24 HR): **Emergency 800-535-5053**

PRODUCT INFORMATION (8-5 ET): **NORTHWEST SCREEN SYSTEMS CO.
(612) 729-7365
800-221-4079**

DOT EMERGENCY PHONE (24 HR): **800-535-5053**

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

NJ TSRN: 411411260-5001P

The exact identity of the ingredient(s) are being withheld because they are considered a trade secret. The hazards associated with these ingredients are addresses 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 numbers listed above

SECTION 3 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR: Brownish-clear liquid

STATEMENT OF HAZARD: **Warning!**

ACUTE HAZARDS:

- *Combustible liquid
- *Causes moderate to severe eye, nose, and throat irritation
- *Causes skin irritation

CHRONIC HAZARDS:

- *Drying and defatting of skin

NFPA RATING: Health-2 Flammability-2 Reactivity-0 Special- NDA

HMIS RATING: Health-2 Flammability-2 Reactivity-0 Protective equipment-x

NFPA and HMIS ratings are 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.

1993 DOT Emergency Response Guide Book: 27

ROUTES OF ENTRY

- *Eye contact
- *Skin contact - this product may be absorbed through the skin
- *Inhalation - inhalation of vapors may result in systematic effects
- *Ingestion

POTENTIAL HEALTH EFFECTS

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

ACUTE EFFECTS

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

- * Causes moderate to severe eye, nose, and throat irritation
- * Causes skin irritation
- * Aspiration of this product into the lungs may cause chemical pneumonia

Systematic Effects

- * Abdominal pain, vomiting and diarrhea
- * Central nervous depression

SUB-CHRONIC EFFECTS

- * DRYING AND DEFATTING OF SKIN

NON-CARCINOGENIC CHRONIC EFFECTS

- * DRYING AND DEFATTING OF SKIN

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)

POSSIBLE TARGET ORGANS

- * All tissues (irritation)
- * Respiratory system (chemical pneumonitis)
- * Central nervous system (depression)
- * Kidneys
- * Liver

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

- * Eye, skin and respiratory disorders
- * Central nervous system disorders
- * Kidney disorders
- * Liver disorders

SECTION 4 - FIRST AID

FOR ASSISTANCE WITH MEDICAL EMERGENCIES CONTACT INFOTRAC AT 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
- * Ensure both upper and lower eyelids are flushed thoroughly
- * Seek medical attention if symptoms develop and persist

SKIN CONTACT

- * Remove contaminated clothing
- * Flush affected area with water for at least 15 minutes
- * Wash affected area with 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 a 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 Hazard Information Services for assistance with the management of exposure to this product

SECTION 5 - FIRE FIGHTING MEASURES

Flash point and Method: 100 F (38C) Pensky Martens Closed Tester

Flammable Limits: NDA

Autoignition Temperature: NDA

GENERAL HAZARD

- * Keep away from sparks, heat and open flame
- * Combustible material, may be ignited by heat, sparks and open flame
- * Vapors may travel to source of ignition and flash back
- * Vapor explosion hazard indoors, outdoors or in sewers
- * Runoff to sewer may create fire or explosion hazard

EXTINGUISHING MEDIA

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

FIRE FIGHTING INSTRUCTIONS

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

HAZARDOUS COMBUSTION PRODUCTS

- * Carbon monoxide (CO)
- * Carbon Dioxide (CO₂)
- * Aldehydes

SENSITIVITY OF EXPLOSION BY MECHANICAL CONTACT

- * NDA

SENSITIVITY OF EXPLOSION BY STATIC DISCHARGE

- * NDA

SECTION 6 - ACCIDENTAL RELEASE MEASURES

FOR ASSISTANCE WITH ACCIDENTAL RELEASES CONTACT INFOTRAC AT 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
- * Absorb spilled material with sand or other non-combustible absorbent material and place into sealable containers for disposal.
- * For large spills, dike far ahead and recover using equipment suitable for combustible materials and place in sealable containers for later disposal.

- * Keep waste out of sewers, watersheds, and waterways.
- * See section 13 for information on the disposal of recovered material.

REPORTABLE QUANTITY (RQ)

- * NONE
-

SECTION 7 - HANDLING AND STORAGE

Storage Temperature * Ambient

Storage Pressure * Atmospheric

GENERAL

- * Use with adequate ventilation
- * Store in a cool, dry, well ventilated area out of direct sunlight
- * Keep container tightly closed at all times
- * Store away from incompatible materials (see section 10)
- * 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 CONTROL/PERSONAL PROTECTION**ENGINEERING CONTROLS**

- * Provide sufficient mechanical ventilation
- * Use local exhaust when available

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 approved air purifying respirator may be necessary
- * Seek professional advice 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 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: BROWNISH CLEAR****ODOR: NDA****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: 248-302F (120-150C)****VISCOSITY: NDA****SPECIFIC GRAVITY: NDA****BULK DENSITY: NDA****WATER SOLUBILITY: NDA****pH: NDA**

SECTION 10 - STABILITY AND REACTIVITY

GENERAL

* This product will not polymerize

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID

* Strong oxidizers

- * Strong alkalis
- * Always test the compatibility of materials before mixing or storing together

HAZARDOUS DECOMPOSITION PRODUCTS

- * Carbon Monoxide (CO)
- * Carbon Dioxide (CO₂)
- * Aldehydes

SECTION 11 - TOXICOLOGY INFORMATION

This section provides relevant information with regard to any toxicity studies performed on the product, or "pure" form of the component(s). This information can be subject 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 at 800-535-5053, 24 hours a day.

PRODUCT BASED

* The ingredients of this product are considered proprietary. Major routes of exposure to this product are inhalation, eye and skin contact and ingestion. Inhalation of vapors of this product is expected to cause moderate irritation of the upper respiratory tract resulting in watery nose and coughing. Degeneration of the lining of the nose was observed in rat studies following short term inhalation the main component of this product. The severity of this effect was dose dependent. Reversible central nervous system depression characterized in incoordination, lethargy, headache and drowsiness along with prostration is also expected following inhalation of vapors. Adverse effects to the kidneys were also observed following inhalation of the major component of this product in animal studies. Eye contact is expected to cause severe irritation resulting in tearing and redness. Skin contact is expected to cause moderate irritation. Prolonged skin contact is expected to cause defatting and dermatitis. Ingestion is expected to cause nausea, abdominal pain, vomiting and diarrhea. Ingestion of a component of this product has resulted in adverse liver and kidney effects in experimental studies. Ingestion of large amounts of the major component of this product has resulted in lethargy, goose bumps, anorexia, watery eyes, shallow breathing and excess salivation in experimental studies. Limited experimental data suggests that inhalation of high concentrations of components of this product is not likely to result in adverse reproductive effects. However, there is no data available regarding the potential reproductive effects following exposure to the product. There is no data available regarding the potential developmental or carcinogenic effects following exposure to this product.

SECTION 12 - ECOLOGICAL INFORMATION

- * NDA

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. (propylene glycol monomethyl ether acetate), 3, NA 1993, III
- * IATA SHIPPING NAME: Flammable liquid, n.o.s. (propylene glycol monomethyl ether acetate), 3, UN 1993 III
- * This material has a flash point of 100F (38C) and is considered combustible for transportation in all modes except transportation by air and vessel.

SECTION 15 - REGULATORY INFORMATION

CHEMICAL INVENTORIES

- * All components of this product are included on the TSCA inventory list, the DSL/NDSL, and 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: YES
- Sudden release of pressure hazard: NO
- Reactivity Hazard: NO

§313 toxic Chemical Release Reporting

- * NONE

STATE REGULATORY INFORMATION:

* SINCE EACH STATE HAS THE AUTHORITY TO PROMULGATE 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 CO. 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 EXSISTING 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 - PERMISSIBLE 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

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