

MATERIAL SAFETY DATA SHEET

6450 Concentrated Premium Emulsion Remover

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 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:	Screen Systems 6450 Concentrated Premium Emulsion Remover
CHEMICAL NAME:	Mixture
RESPONSIBLE PARTY:	Northwest Screen Systems Co. 4200 East Lake Street Minneapolis, MN 55406-2203 USA
TELEPHONE NUMBERS:	Product Information (8-5 CT) Northwest Screen Systems (612) 729-7365 (800) 221-4079
TRANSPORTATION EMERGENCIES (24 HR):	Chemtrec (800) 424-9300

SECTION 2: COMPOSITION & INFORMATION ON INGREDIENTS

Mixture: NJTSRN:411411260-5005P

The exact identity of the ingredient(s) 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 the safety assessments, please call 612-729-6647.

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR: Clear liquid with no odor

STATEMENT OF HAZARD: **DANGER!**

ACUTE HAZARDS

- CORROSIVE and causes severe burns to eyes, skin and mucous membranes
- May be harmful or fatal if swallowed
- Causes upper respiratory tract irritation
- Oxidizing material

CHRONIC HAZARDS

- Dermatitis

NFPA RATING:	Health -3	Flammability -0	Reactivity -3	Special -NDA
HMIS RATING:	Health -3	Flammability -0	Reactivity -3	
	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 & Coating Association respectively, and should only be interpreted by persons trained in these rating systems.

1996 North America Emergency Response Guidebook: 140

ROUTES OF ENTRY

- Eye contact- eye contact causes severe burns and permanent damage
- Skin contact- skin contact causes severe burns
- Ingestion- may be harmful or fatal if swallowed
- Inhalation- vapors or mists cause upper respiratory tract irritation

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...)

- Corrosive and causes burns to eyes, skin, and mucous membranes
- Upper respiratory tract irritation

Systematic Effects

- Abdominal pain, vomiting, diarrhea
- May be harmful or fatal if swallowed

SUB-CHRONIC EFFECTS

- NDA

NON-CARCINOGENIC EFFECTS

- Dermatitis

REPRODUCTIVE OF DEVELOPMENT EFFECTS

- None of the components of this product are listed on the State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) list of chemicals known to cause reproductive toxicity.

CANCER

- The components of this product are not listed as carcinogens or potential carcinogens by NTP, IARC, or OSHA [see 29 CFR § 1910.1200(g)(2)(vii)]
- None of the components of this product are listed on the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) list of chemicals known to cause cancer.

TARGET ORGANS

- All tissues (corrosive)
- Respiratory system
- Eyes

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

- Eye, skin, and respiratory disorders

SECTION 4: FIRST AID

EYE CONTACT

- Immediately flush with plenty of water
- Ensure both upper and lower eyelids are thoroughly flushed
- Remove contact lenses and continue flushing for at least 30 minutes
- Seek medical attention immediately

SKIN CONTACT

- Remove contaminated clothing
- Flush affected area with water for at least 20 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 a small glass of water (NEVER give anything by mouth to an unconscious person)
- Do not induce vomiting
- Seek medical attention immediately

INHALATION

- Remove to fresh air
- Seek medical attention if breathing becomes difficult or symptoms develop

NOTES TO PHYSICALS

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

SECTION 5: FIRE FIGHTING MEASURES
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Flash point and Method:	Not flammable
Flammable limits:	NDA
Auto Ignition temperature:	NDA

GENERAL HAZARD

- Keep away from sparks, heat, or open flame
- Inhalation, ingestion or contact with mists may cause severe injury

EXTINGUISHING MEDIA

- Use extinguisher appropriate for surrounding fire

FIRE FIGHTING INSTRUCTIONS

- Wear appropriate protective clothing
- Use positive pressure self-contained breathing apparatus
- For large fire, flood fire area with water from a distance

HAZARDOUS COMBUSTION PRODUCTS

- Iodine vapors, mists, or fumes
- Iodine-containing and sodium-containing compounds

SENSITIVITY OF EXPOSURE BY STATIC DISCHARGE

- NDA

SENSITIVITY OF EXPLOSION BY STATIC DISCHARGE

- NDA

SECTION 6: ACCIDENTAL RELEASE MEASURES

GENERAL

- Do not attempt to clean up chemical spills without appropriate personal protective equipment (see section 8)
- Extinguish or remove all ignition sources
- Ventilate spill area
- Use materials that can withstand the corrosive nature of this product
- 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
- Following product recovery, flush area with water
- Keep waste out of sewers, watersheds, and waterways
- See section 13 for information on the disposal of recovered material

SECTION 7: HANDLING AND STORAGE

Strong Temperature: Ambient

Storage Pressure: Atmospheric

GENERAL

- Use with adequate ventilation
- Store away from incompatible materials (see section 10)
- Minimize inhalation and avoid skin contact
- 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 CONTROL/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 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 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:	No odor

Vapor Pressure:	NDA
Vapor Density (air =1):	NDA
Evaporation Rate (n-butyl acetate):	NDA
Percent Volatile By Volume:	NDA

Freezing Point:	NDA
Melting Point:	NDA
Boiling point:	NDA
Viscosity:	NDA

Specific Gravity:	NDA
Bulk Density:	NDA
Solubility:	Complete
pH:	NDA

SECTION 10: STABILITY AND REACTIVITY

GENERAL

- This product will not polymerize. This product is stable.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID

- Heat
- Mixtures with finely divided metals
- Mixtures with combustible materials
- Always test the compatibility of materials before mixing or storing together

HAZARDOUS DECOMPOSITION PRODUCTS

- Iodine vapors, mists or fumes
- Iodine containing compounds

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 subject to interpretation. Therefore, it is essential that the following information be interpreted by individuals trained in its evaluation.

PRODUCT BASED

•The exact ingredients of this product are considered proprietary. Exposure can occur by inhalation of mists or vapors, ingestion, or eye or skin contact. Inhalation of mists or vapors cause upper respiratory tract irritation with symptoms such as coughing, watery eyes and nasal discharge. Inhalation of large amounts may cause edema of the larynx. Ingestion of this product may result in nausea, vomiting, and diarrhea. Irritation and problem burns to the mouth, throat, esophagus, gastrointestinal tract and possibly the stomach may also occur. Ingestion may also cause adverse systematic effects. Skin contact with this product causes burns. Repeated or prolonged skin contact may cause dermatitis. Eye contact with this product can cause burns and possibly permanent damage. There were no data located addressing the possible adverse reproductive, development, or carcinogenic effects in ether humans or experimental animals following exposure to the components of this product or the product itself.

SECTION 12: ECOLOGICAL INFORMATION

•NDA

SECTION 13: DISPOSAL INFORMATION

GENERAL

- Consult a local expert for advice 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 regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventories

- Periodic acid is listed on the TSCA inventory list, the DSL, and the EINICS

Reportable Quantities

- None

SARA TITLE III (Superfund Amendments and Reauthorization Act)

§ 302 Extremely Hazardous materials (40 CFR 355)

- Not listed

§ 304 Notification of Accidental Release (40 CFR 355)

- Not listed

§ 311/ 312 Hazard Categories

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

§313 Toxic Chemical Release Reporting

- Not listed

STATE REGULATORY INFORMATION:

•Since each state has the authority to promulgate standard 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

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

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

IATA	International Air Transport Association	Chemical Substances	
IDLH	Immediately Dangerous to Life And Health	STEL	Short Term Exposure Limit
IMO	International Maritime Organization	TERIS.....	Teratogen Information System
LEL	Lower Explosion Limit	TSCA.....	Toxic Substances Control Act
		TWA.....	Time-Weighted Average
		UEL.....	Upper Explosion Limit

REVISION SUMMARY

ISSUE DATE:	2-28-2006
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