

# MATERIAL SAFETY DATA SHEET

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## 6000 Emulsion Remover & 6100 Emulsion Remover Concentrate

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, Minneapolis, MN 55440-1309

### SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME: 6000 Emulsion Remover & 6100 Emulsion Remover Concentrate

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

ALL EMERGENCIES (24 HR): Infotrac  
(800) 535-5053

### SECTION 2: COMPOSITION & INFORMATION ON INGREDIENTS

Name (CAS#) References	Wt %	Exposure Limits	
SODIUM METAPERIODATE (7790-28-5)	1.5 - 3	None under OSHA, ACGIH, or NIOSH	NA
WATER	Balance	None under OSHA, ACGIH, or NIOSH	NA

## SECTION 3: HAZARD IDENTIFICATION

### EMERGENCY OVRVIEW

APPERANCE AND ODOR: Clear liquid with no odor

STATEMENT OF HAZARD: **DANGER!**

ACUTE HAZARDS

- May cause severe eye irritation
- May cause moderate to severe skin irritation
- May cause upper respiratory tract irritation
- May be harmful if swallowed

CHRONIC HAZARDS

- Dermatitis

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

1996 North America Emergency Response Guidebook: NDA

#### ROUTES OF ENTERY

- Eye or skin contact, inhalation and ingestion

#### 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 and skin irritation
- May cause upper respiratory tract irritation

Systematic Effects

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

#### SUB-CHRONIC EFFECTS

- NDA

**NON-CARCINOGENIC EFFECTS**

- Dermatitis

**REPRODUCTIVE OF DEVELOPMENT EFFECTS**

- None of the components of this product (Section 2) 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 (Section 2) 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 (Section 2) 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 (irritation)
- Respiratory system
- Eyes

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

- Eye, skin, and respiratory disorders

<b>SECTION 4: FIRST AID</b>
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**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 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, cough develops or other 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:	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 EXPOSITION 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
- 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

### REPORTABLE QUANTITIES (RQ)

- None

## SECTION 7: HANDLING AND STORAGE

Strong Temperature: Ambient

Storage Pressure: Atmospheric

#### GENERAL

- Pure sodium metaperiodate is an oxidizing agent. In this dilute product, the oxidizing properties are lessened – Maintain the sodium metaperiodate in the dissolved form
- 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

- If significant level of mists are generated or if the 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 if necessary

##### 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 = 1):	NDA
Volatile Organic Compounds:	Zero

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
- 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

• 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. Inhalation of large amounts may cause edema of the larynx. Skin contact with this product is expected to cause moderate to severe irritation. Repeated or prolonged skin contact may cause dermatitis. Eye contact with this product can cause moderate to severe irritation. Ingestion of this product may result in nausea, vomiting, and diarrhea. Irritation to the mouth, throat, esophagus, gastrointestinal tract and stomach may also occur. Ingestion may also cause adverse systematic effects. In animal studies, overdoses of iodates have caused adverse effects to the kidney and blood systems. There were no data located addressing the possible adverse reproductive, developmental or carcinogenic effects in either humans or experimental animals following exposure to the components of this product or the product itself. In the mouse, LD50 for intraperitoneal injection was reported to be 58 mg/kg.

## 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 as a hazardous material

## SECTION 15: REGULATORY INFORMATION

#### Chemical Inventories

• Sodium metaperiodate (CAS # 7790 – 28 – 5) is listed on the TSCA inventory list, the DSL, and the EINECS

#### Reportable Quantities (RQ)

- 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:	NO
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

ACGIH...American Conference of Governmental Industrial Hygienists	LEL..... Lower Explosion Limit
CAS#.... Chemical Abstracts Service Number	MSDS.....Material Safety Data Sheet
DOT..... Department of Transportation	NDSL ... Non-Domestic Substance List
DSL..... Domestic Substance List	NIOSH ...National Institute for Occupational Safety and Health
EINECS.. European Inventory of Existing Chemical Substances	NTP ..... National Toxicology Program
IARC ..... International Agency for Research on Cancer	OSHA ... Occupational Safety and health Administration
IATA ..... International Air Transport Association	PEL .....Permissible Exposure Limit
IDLH ..... Immediately Dangerous to Life And Health	RTECS ...Registry of Toxic Effects of Chemical Substances
IMO ..... International Maritime Organization	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: 12 - 18 - 98

SUPERSEDES: NONE

REASON(S) FOR ISSUE: New MSDS

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