

# ZACLON LLC MATERIAL SAFETY DATA SHEET

## MATERIAL IDENTIFICATION

**NAME:** Zaclon® Wetting Agent A  
**CHEMICAL FAMILY:** Nonionic Surfactant

**MANUFACTURER / DISTRIBUTOR:** Zaclon LLC  
**PRODUCT INFORMATION PHONE:** (800) 356-7327

**ADDRESS:** 2981 Independence Road  
Cleveland, Ohio 44115  
**TRANSPORTATION EMERGENCY PHONE:** CHEMTREC (800) 424-9300

## COMPONENTS

<b>MATERIAL</b>	<b>CAS NUMBER</b>	<b>%</b>
HEXYLENE GLYCOL	107-41-5	5-15
WATER	7732-18-5	25-35
NJ TRADE SECRET REGISTRY #00850201001-5345P		1-10
NJ TRADE SECRET REGISTRY #00850201001-5238P		10-20
NJ TRADE SECRET REGISTRY #00850201001-5346P		35-45

## PHYSICAL DATA

**BOILING POINT, 760 mm Hg** 100 °C/212 °F

**SPECIFIC GRAVITY** 1.03

**SOLUBILITY IN WATER** 40 WT %      **% VOLATILES** ~40 WT %

**pH INFORMATION** 6 to 8  
**ODOR** Bland

**FORM** Liquid, Clear, Viscous  
**COLOR** Colorless to Pale Yellow

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The data in the Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

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**HAZARDOUS REACTIVITY****INSTABILITY**

Stable

**INCOMPATIBILITY**

None reasonably foreseeable.

**DECOMPOSITION**

Decomposition will not occur.

**POLYMERIZATION**

Polymerization will not occur.

**FIRE AND EXPLOSION DATA****METHOD : PMCC**

Does not ignite.

**FIRE AND EXPLOSION HAZARDS**

Non-combustible.

**EXTINGUISHING MEDIA**

Water spray, foam, dry chemical, CO<sub>2</sub>.

**SPECIAL FIRE FIGHTING INSTRUCTIONS**

Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.

**HEALTH HAZARD INFORMATION****ANIMAL DATA**

HEXYLENE GLYCOL:

Inhalation 8 hour ALC: >18,000 ppm in rats

Skin Absorption LD50: >5,000 mg/kg in rabbits

Oral LD50: 4700 mg/kg in rats

NJ Trade Secret Registry #00850201001-5346P:

Oral LD50: 8600 mg/kg in rats

The product contains components which are mild skin irritants, and mild to severe eye irritants. Not all components have been tested for skin sensitization in animals.

Toxic effects described in animals from exposures by ingestion of Hexylene Glycol include anaesthetic effects, liver effects, kidney effects, hypoactivity, weakness, and gastrointestinal inflammation.

Hexylene Glycol does not produce genetic damage in bacterial cell cultures, was positive in mammalian cell culture; but has not been tested in animals. Tests of

Hexylene Glycol in animals demonstrate no reproductive toxicity. NJ Trade Secret Registry #00850201001-5345P do not produce genetic damage in bacterial cell cultures, but have not been tested in animals.

There are no animal test reports available to define carcinogenic, mutagenic, developmental or reproductive hazards of the product.

#### **HUMAN HEALTH EFFECTS OF OVEREXPOSURE:**

Skin contact may cause skin irritation with discomfort or rash. Hexylene Glycol may cause skin sensitization in susceptible humans.

Eye contact may cause eye irritation with discomfort, tearing or blurring of vision.

Inhalation of Hexylene Glycol may cause irritation of the upper respiratory passages with coughing and discomfort.

Ingestion of Hexylene Glycol may cause temporary nervous system depression with anaesthetic effects such as dizziness, headache, confusion, incoordination, and loss of consciousness.

#### **CARCINOGENICITY**

None of the components in this chemical at concentrations equal to or greater than 0.1% are listed by IARC, NTP, ACGIH, or OSHA as a carcinogen.

#### **EXPOSURE LIMITS**

For HEXYLENE GLYCOL:

TLV (ACGIH) : Ceiling: 25 ppm, 121 mg/m<sup>3</sup>  
PEL (OSHA) : None established

#### **SAFETY PRECAUTIONS**

Avoid breathing vapors or mist. Avoid contact with eyes. Avoid contact with skin. Avoid contact with clothing. Wash thoroughly after handling.

#### **FIRST AID**

**INHALATION** - If inhaled, remove to fresh air immediately. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

**SKIN CONTACT** - Wash skin with soap and water after contact. Wash contaminated clothing before reuse.

**EYE CONTACT** - In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**INGESTION** - If swallowed, do not induce vomiting. Immediately give two glasses of water or activated charcoal slurry. Never give anything by mouth to an unconscious person. Call a physician.

**INSTRUCTIONS TO PHYSICIAN** - To prepare activated charcoal slurry, suspend 50 g activated charcoal in 400 ml water in plastic bottle and shake well. Administer 5 ml/kg, or 350 ml for an average adult.

### **PROTECTION INFORMATION**

#### **GENERALLY APPLICABLE CONTROL MEASURES AND PROCEDURES**

Use only with adequate ventilation. Keep container tightly closed. Do not consume food, drink or tobacco in the areas where they may become contaminated with this material. Vent dryer fumes outside work areas.

#### **PERSONAL PROTECTIVE EQUIPMENT**

##### **EYE/FACE PROTECTION**

Wear safety glasses or coverall chemical splash goggles.

##### **RESPIRATORS**

Where there is potential for airborne exposures in excess of applicable limits, wear NOISH/MSHA approved respiratory protection.

##### **PROTECTIVE CLOTHING**

Where there is potential for skin contact have available and wear as appropriate, impervious gloves, apron, pants, and jacket.

### **DISPOSAL INFORMATION**

**AQUATIC TOXICITY : SEE INFORMATION AND REFERENCES**

#### **SPILL, LEAK, OR RELEASE**

NOTE: Review FIRE AND EXPLOSION HAZARDS AND SAFETY PRECAUTIONS before proceeding with clean up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Soak with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up. Flush spill area with water. Treatment, storage, transportation, and disposal must be done in accordance with applicable federal, state and local regulations.

### **SHIPPING INFORMATION**

#### **DOT/IMO**

Proper Shipping Name: Non-Regulated Material

Shipping Containers: 5 gal. P.E. pail; 55 gal. fiber drum with polyethylene liner.

#### **STORAGE CONDITIONS**

Store in well ventilated area. Keep container tightly closed. Do not store or consume food, drink or tobacco in area where they may become contaminated with this material. Freezing will affect physical condition but will not damage. Thaw and mix before using.

**NPCA-HMIS RATINGS**

Health 2  
Flammability 0  
Reactivity 0  
Personal Protection \*\* -

\*\*Personal protection rating to be supplied by the user depending on use conditions.

**TITLE III HAZARD CLASSIFICATIONS**

Acute Yes  
Chronic No  
Fire No  
Reactivity No  
Pressure No

TSCA INVENTORY STATUS: REPORTED/INCLUDED

**ADDITIONAL INFORMATION AND REFERENCES****AQUATIC TOXICITY FOR HEXYLENE GLYCOL**

The compound has very low toxicity (96 hour LC50 > 5,000 mg/l).  
96 hour LC50, fathead minnows: 8690 mg/l.

This product contains trace quantities (<4PPM) of Nitrolotriacetic Acid, a chemical known to the State of California to cause cancer.

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**DATE OF LATEST REVISION/REVIEW:**  
**PERSON RESPONSIBLE FOR MSDS:**

May 2008  
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