

## SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## PRODUCT IDENTIFICATION

Brand Name: BioSolv  
 SDS #: 766  
 Chemical Name: Mixture  
 Use of the Substance/Preparation: Drain Maintainer

HMIS NFPA

HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0
HMIS PPE	B	
HAZARD RATINGS: 4=Extreme, 3=High, 2=Moderate, 1=Slight, 0=Insignificant PERSONAL PROTECTIVE EQUIPMENT (PPE): B=Safety Glasses, Gloves		

## PREPARER

Wayne Concept  
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## EMERGENCY TELEPHONE NUMBER

INFOTRAC 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

## EMERGENCY OVERVIEW

Milky bluish liquid with citrus odor.

**Warning.** Causes severe eye irritation. Harmful if swallowed.  
 This product is not combustible.  
 Use extinguishing media suitable for the materials that are burning.  
**GHS Classification:** Serious Eye Damage/Irritation; 2A



## POTENTIAL HEALTH EFFECTS

## PRIMARY ROUTE(S) OF ENTRY

Eye, skin contact.

## SYMPTOMS OF EXPOSURE

Eye contact: Severe irritant. Can cause redness, irritation.  
 Skin contact: Can cause redness, inflammation, irritation. May be harmful if absorbed through the skin.  
 Inhalation: Inhalation not likely. Direct contact or exposure to vapors may cause irritation.  
 Ingestion: Can cause nausea, diarrhea, abdominal cramps. May be harmful if swallowed.

## MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None known

## REPORTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

Not Applicable  OSHA  
 National Toxicology Program (NTP)  International Agency for Research on Cancer (IARC)

## 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	%	CAS#
Alcohols, C9-11, ethoxylated	8 - 12	68439-46-3
Bacterial Complex	5 - 10	68920-42-3

\*See Section 16 for the full text of the Classification Phrases declared.  
 Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.  
 (Note: See Section 8 of this MSDS for Exposure Guidelines)

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**4. FIRST AID MEASURES**

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**EYE CONTACT**

Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.

**SKIN CONTACT**

Wash affected areas with plenty of water, and soap if available, for several minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

**INHALATION**

Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

**INGESTION**

If victim is conscious and alert, give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person. Do not leave victim unattended.

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**5. FIRE FIGHTING MEASURES**

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Flash Point and Method: >200°F (Setaflash CC)

**GENERAL HAZARD**

This product is not combustible.

**EXTINGUISHING MEDIA**

Use media suitable for the material that is burning.

**SPECIAL FIRE FIGHTING INSTRUCTIONS**

Move containers from area if it can be done without risk. Cool fire-exposed containers with water from side.

**FIRE FIGHTING EQUIPMENT**

As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear.

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**6. ACCIDENTAL RELEASE MEASURES**

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Spill area will be slippery. Wear appropriate protective equipment (See Section 8).

Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread.

Prevent liquid from entering sewers or waterways.

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**7. HANDLING AND STORAGE**

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**HANDLING**

Wear appropriate protective equipment (See Section 8).

**STORAGE**

Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 5-30°C. If material freezes or striates, gently thaw prior to use. Mild agitation may be required.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS**

In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

**PERSONAL PROTECTION**

Respirator: In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

Eye Protection: Wear safety glasses with side shields or goggles.

Gloves: Wear natural rubber gloves.

Clothing: Normal working clothing is generally adequate.

Other: Eye wash; safety shower.

**EXPOSURE CONTROLS**

COMPONENT	OSHA PEL		OSHA PEL	
	TWA	STEL	TWA	STEL
None listed				

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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State ..... Clear to slightly turbid liquid solution  
Color ..... Colorless  
Odor ..... Mild  
Ionic charge ..... Non-ionic  
Melting Point, °C ..... ND Boiling  
Point, °C ..... 100°C Weight per  
Gallon ..... 8.2 lb/gal Specific  
Gravity @ 20°C ..... 0.98±0.02  
Water Solubility ..... Soluble  
pH (1% 1:1 IPA/Water) ..... 5-8

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**10. STABILITY AND REACTIVITY**

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REACTIVITY Stable  
INCOMPATIBILITIES  
Oxidizing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS  
Carbon monoxide.  
CONDITIONS TO AVOID  
Avoid contact with heat.

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**11. TOXICOLOGICAL INFORMATION**

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Oral LD<sub>50</sub> (*Rat*) ..... 1,378 mg/kg  
Dermal LD<sub>50</sub> (*Rat*) ..... >5,000 mg/kg  
Inhalation LC<sub>50</sub> ..... No data  
  
Primary skin irritation (*Rabbit*) ..... Moderately to severely irritating  
Primary eye irritation (*Rabbit*) ..... Severely irritating

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**12. ECOLOGICAL INFORMATION**

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LC<sub>50</sub> (Fish toxicity, *Rainbow trout*) ..... 1-10 mg/l, 96hr. Value estimated from tests on similar products.  
LC<sub>50</sub> (Fish toxicity, *Fathead minnow*) ..... 6 mg/l, 96hr. Value estimated from tests on similar products.  
EC<sub>50</sub> (Aquatic invertebrate toxicity, *Daphnia*) ..... 1-10 mg/l, 48hr. Value estimated from tests on similar products.  
EC<sub>50</sub> (Algae toxicity, *Skeletonema costatum*) ..... 1-10 mg/l, 72hr. Value estimated from tests on similar products.  
EC<sub>50</sub> (Bacterium toxicity, Nitrifying bacteria) ..... 410 mg/l, 4hr. Value estimated from tests on similar products.  
  
BOD ..... No data  
COD ..... No data  
Heavy metals ..... No data  
  
Biodegradability ..... Readily biodegradable.  
Modified Sturm Test (OECD 301B) ..... >60% CO<sub>2</sub>, 28 days  
Primary biodegradation ..... >90%

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**13. DISPOSAL CONSIDERATIONS**

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RCRA Waste Code: Not regulated under RCRA, 40 CFR 261  
Products: Keep away from natural water sources. Observe all applicable federal, state, and local regulations.  
Empty packaging: Remove all residue when emptying.

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**14. TRANSPORTATION INFORMATION**

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DOT/IMDG/IATA Hazard Classification: Non-Hazardous, not regulated  
Hazardous: N  
Shipping Name: LIQUID CLEANING COMPOUNDS  
Freight Class: 55

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**15. REGULATORY INFORMATION**

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(Not meant to be all-inclusive, selected regulations represented)

**OSHA HAZARD COMMUNICATION STANDARD (26 CFR 1910.1200)**

Hazardous       Non-Hazardous

**CERCLA/SUPERFUND (40 CFR 117, 302)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**SARA HAZARD CATEGORIES (40 CFR 370)**

Acute       Chronic       Fire       Pressure       Reactive       None

**SARA TOXIC SUBSTANCES (40 CFR 372)**

This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

**US TOXIC SUBSTANCES CONTROL ACT/INVENTORY STATUS**

The components of Masodol 900 are listed and in compliance with the requirements of the following chemical inventories: US (TSCA; FIFRA-EPA Pesticide Inert Ingredient), Canada (DSL), European Communities (EINECS-Polymer, REACH Status: Exempt polymer, monomer(s) pre-registered), Australia (AICS), China (IECSC), Japan (ENCS), Korea (ECL), New Zealand (NZIoC), Philippines (PICCS), ASIA-PAC.

**STATE REGULATIONS**

None listed.

**HARMONIZED TARIFF SCHEDULE CODES**

US Census Bureau Schedule B 2008: 3402.13.0000  
Departmental Consolidation of the *Customs Tariff* 2008 (Canada): 3402.13.9029  
EC Community Tariff (TARIC): 3402.13.0090

**CANADIAN WHMIS CLASSIFICATION**

Class D Division 2 Subdivision B-Toxic Material: D-2B

**EUROPEAN COMMUNITY LEGISLATION: EC-DIRECTIVE-MARKINGS**

Substance Name Alcohols, C9-11, ethoxylated

**Symbols**

IRRITANT

R-phrases: R41: Risk of serious damage to eyes  
S-phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S39: Wear eye/face protection.  
EU directive Classification and labeling have been performed according to EC-directive 2001/58/EC.

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**16. OTHER INFORMATION**

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**ABBREVIATIONS**

C:	Ceiling limit	N/A:	Not Applicable	N/D:	Not determined
N/E:	Not established	N/K:	Not known	RQ:	Reportable quantity
TPQ:	Threshold Planning Quantity				

**TEXT OF R PHRASES IN SECTION 2**

R41: Risk of serious damage to eyes

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