



## Wetting Agent

Safety Data Sheet  
Revision date: 05/14/2013

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

#### Product Identifier

**Product form:** Mixture  
**Product name:** Wetting Agent  
**Product code:** 280-00

#### Intended Use Of The Product

**Use of the substance/mixture:** Laboratory Reagent

#### Name, Address, And Telephone Of The Responsible Party

OFI Testing Equipment, Inc.  
11302 Steeplecrest Dr.  
Houston, TX 77065 USA  
+1-832-320-7300

[www.ofite.com](http://www.ofite.com)

#### Emergency Telephone Number

**Emergency number** : INFOTRAC USA and Canada:1-800-535-5053 / INFOTRAC Outside USA and Canada: 1-352-323-3500

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification Of The Substance Or Mixture

##### GHS-US classification

Flam. Liq. 3 H226  
Eye Irrit. 2A H319

#### Label Elements

##### GHS-US labeling

##### Hazard pictograms (GHS-US)



##### Signal word (GHS-US)

: Warning

##### Hazard statements (GHS-US)

: H226 - Flammable liquid and vapour  
H319 - Causes serious eye irritation

##### Precautionary statements (GHS-US)

: P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical, lighting, ventilating equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P264 - Wash hand, forearms, and exposed areas thoroughly after handling  
P273 - Avoid release to the environment  
P280 - Wear face protection, eye protection, protective clothing, protective gloves, respiratory protection  
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated

# Wetting Agent

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

clothing. Rinse skin with water/shower  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide, or dry chemical for extinction  
P403+P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

### Other Hazards

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3, H402 - Harmful to aquatic life
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**Unknown acute toxicity (GHS US)** Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Name	Product Identifier	% (w/w)	GHS-US classification
2-Propanol, 1-propoxy-	(CAS No.) 1569-01-3	9.5 - 12.6	Flam. Liq. 3, H226 Eye Irrit. 2A, H319 STOT SE 3, H336 STOT SE 3, H335
Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt	(CAS No.) 577-11-7	1.1 - 1.9	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 3, H402

Full text of H-phrases: see section 16

## SECTION 4: FIRST AID MEASURES

### Description Of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Rinse with plenty of water. Obtain medical attention if irritation persists.

**Eye Contact:** Rinse cautiously with water for several minutes. Obtain medical attention if pain, blinking or redness persist. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

### Most Important Symptoms And Effects Both Acute and Delayed

**General:** Eye irritation

**Inhalation:** Overexposure may be irritating to the respiratory system.

**Skin Contact:** May cause mild skin irritation.

**Eye Contact:** Causes serious eye irritation.

**Ingestion:** Abdominal pain. Diarrhea.

**Chronic symptoms:** May aggravate preexisting central nervous system disorders, asthma, and other respiratory conditions.

### Indication Of Any Immediate Medical Attention And Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing Media

**Suitable extinguishing media:** Dry powder. Carbon dioxide. Water spray. Sand. Alcohol-resistant foam.

**Unsuitable extinguishing media:** Do not use a heavy water stream.

# Wetting Agent

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### **Special Hazards Arising From The Substance Or Mixture**

**Fire hazard:** Flammable liquid and vapour

**Explosion hazard:** May form flammable/explosive vapour-air mixture.

**Reactivity:** Not available

### **Advice For Firefighters**

**Precautionary measures fire:** Not available

**Firefighting instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Sulfur oxides

### **Reference To Other Sections**

Refer to section 9 for flammability properties.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment And Emergency Procedures**

**General measures:** Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Do not allow product to spread into the environment. Handle in accordance with good industrial hygiene and safety practice.

#### **For Non-Emergency Personnel**

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective equipment:** Equip cleanup crew with proper protection.

**Emergency procedures:** Ventilate area.

### **Environmental Precautions**

Prevent entry to sewers and public waters. Avoid release to the environment

### **Methods And Material For Containment And Cleaning Up**

**For containment :** Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools.

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

### **Reference To Other Sections**

See Heading 8, exposure controls and personal protection.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions For Safe Handling**

**Additional hazards when processed:** Handle empty containers with care because residual vapours are flammable.

**Hygiene measures:** Not available

### **Conditions For Safe Storage, Including Any Incompatibilities**

**Technical measures:** Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

**Storage conditions:** Keep only in the original container in a cool, well ventilated place away from: Heat sources, ignition sources, direct sunlight, incompatible materials. Keep container closed when not in use.

**Storage area:** Store in a well-ventilated place. Keep cool.

# Wetting Agent

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Specific End Use(s)

Laboratory Reagent

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

### Exposure Controls

**Appropriate engineering controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. All electrical equipment should comply with the National Electric Code. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Take precautionary measures against static discharges. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released.

**Personal protective equipment:** Avoid all unnecessary exposure. Fireproof clothing. Gloves. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for protective clothing:** Wear fire/flamm resistant/retardant clothing. Chemically resistant materials and fabrics.

**Hand protection:** Wear chemically resistant protective gloves.

**Eye protection:** Chemical goggles or safety glasses.

**Skin and body protection:** Not available

**Respiratory protection:** Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

**Thermal hazard protection:** Wear suitable protective clothing.

**Environmental exposure controls:** Do not release to the environment.

**Other information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information On Basic Physical And Chemical Properties

Physical state	: Liquid
Appearance	: Clear
Odour	: Solvent
Odour threshold	: Not available
pH	: Not available
Relative evaporation rate (butylacetate=1)	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: ~ 100 °C (212°F)
Flash point	: Not available
Auto-ignition temperature	: > 415 °C (780°F)
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower flammable limit	: Not available
Upper flammable limit	: Not available
Vapour pressure	: Not available
Relative vapour density at 20 °C	: Not available

# Wetting Agent

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Relative density	: Not available
Specific gravity density	: Not available
Solubility	: Water: insoluble
Log Pow	: Not available
Log Kow	: Not available
Viscosity, kinematic	: Not available
Viscosity, dynamic	: Not available
Explosion data - sensitivity to mechanical impact	: Not available
Explosion data - sensitivity to static discharge	: Not available

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity** Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

**Chemical Stability** Hazardous reactions will not occur under normal conditions.

**Possibility Of Hazardous Reactions** Hazardous polymerization will not occur.

**Conditions To Avoid** Direct sunlight. Extremely high or low temperatures. Open flame. Heat. Sparks.

**Incompatible Materials** Strong bases. Strong acids. Strong oxidizers.

**Hazardous Decomposition Products** May release flammable gases. Sulfur oxides.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information On Toxicological Effects - Product

**Acute toxicity** : Not classified

**LD50 and LC50 Data** Not available

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitisation:** Not classified

**Germ cell mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific target organ toxicity (repeated exposure):** Not classified

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** Not classified

**Aspiration hazard:** Not classified

**Symptoms/injuries after inhalation:** Overexposure may be irritating to the respiratory system.

**Symptoms/injuries after skin contact:** May cause mild skin irritation.

**Symptoms/injuries after eye contact:** Causes serious eye irritation.

**Symptoms/injuries after ingestion:** Abdominal pain. Diarrhea.

**Chronic symptoms:** May aggravate preexisting central nervous system disorders, asthma, and other respiratory conditions.

#### Information On Toxicological Effects - Ingredient(s)

##### LD50 and LC50 Data

<b>Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)</b>	
LD50 oral rat	1900 mg/kg
LD50 dermal rabbit	10000 mg/kg
<b>2-Propanol, 1-propoxy- (1569-01-3)</b>	
LD50 oral rat	2504 mg/kg
LD50 dermal rabbit	3550 mg/kg

# Wetting Agent

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 12: ECOLOGICAL INFORMATION

#### Toxicity

**Ecology - general:** Toxic to aquatic life.

<b>Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)</b>	
LC50 fishes 1	20 - 40 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 Daphnia 1	36 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	< 24 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

#### Persistence And Degradability

<b>Wetting Agent</b>	
Persistence and degradability	Not established.

#### Bioaccumulative Potential

<b>Wetting Agent</b>	
Bioaccumulative potential	Not established.

<b>Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)</b>	
BCF fish 1	3.47 - 3.78

**Mobility In Soil** Not available

#### Other Adverse Effects

**Other information:** Avoid release to the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste disposal recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional information:** Handle empty containers with care because residual vapours are flammable.

**Ecology - waste materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

### SECTION 14: TRANSPORT INFORMATION

**In accordance with ICAO/IATA/DOT/TDG**

**UN Number** Not regulated for transport

**UN Proper Shipping Name** Not regulated for transport

**Additional information** Not regulated for transport

**Overland transport** Not regulated for transport

**Transport by sea** Not regulated for transport

**Air transport** Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

#### US Federal regulations

<b>Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>2-Propanol, 1-propoxy- (1569-01-3)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Water (7732-18-5)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### US State regulations

# Wetting Agent

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

### 2-Propanol, 1-propoxy- (1569-01-3)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

### Canadian regulations

#### Wetting Agent

WHMIS Classification

Class B Division 2 - Flammable Liquid

Class D Division 2 Subdivision B - Toxic material causing other toxic effects



### Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Listed on the Canadian Ingredient Disclosure List

### 2-Propanol, 1-propoxy- (1569-01-3)

Listed on the Canadian DSL (Domestic Substances List) inventory.

### Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification

Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

## SECTION 16: OTHER INFORMATION

#### Indication of changes

: Revision date: 05/14/2013

#### Other information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

#### GHS Full Text Phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable liquids Category 3
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

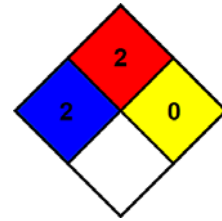
# Wetting Agent

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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- NFPA health hazard** : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.
- NFPA fire hazard** : 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.
- NFPA reactivity** : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

- Health** : 1 Slight Hazard - Irritation or minor reversible injury possible
- Flammability** : 2 Moderate Hazard
- Physical** : 0 Minimal Hazard

### Party Responsible For The Preparation Of This Document:

OFI Testing Equipment  
Phone Number: 832-320-7300

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

North America GHS US 2012 & WHMIS