

## Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

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### 1. PRODUCT IDENTIFICATION

<b>Trade Name (as labeled):</b>	<b>Hydro-Cast<sup>®</sup> Wetting Agent</b>
<b>Chemical Name/Classification:</b>	Polyoxyethylene Nonylphenylether, branched
<b>Product Identifier (Part/Item Number):</b>	73025
<b>U.N. Number:</b>	UN3082 (International) Not Regulated (North America)
<b>U.N. Dangerous Goods Classification:</b>	9, PGIII (International); None (North America)
<b>Recommended Use:</b>	Impression material
<b>Restrictions on Use:</b>	Use only as directed
<b>Manufacturer/Supplier Name:</b>	Sultan Healthcare
<b>Manufacturer/Supplier Address:</b>	411 Hackensack Avenue, 9 <sup>th</sup> Floor Hackensack, NJ
<b>Manufacturer/Supplier Telephone Number:</b>	1-201-871-1232 or 800-637-8582 (Product Information)-
<b>Emergency Contact Telephone Number:</b>	800-535-5053 (INFOTRAC) 1-352-323-3500 (Outside the United States – Call Collect)
<b>Email address:</b>	<a href="mailto:customer.service@sultanhc.com">customer.service@sultanhc.com</a>

### 2. HAZARD(S) IDENTIFICATION

**Hazard/Danger Classification (Regulation EC) No. 1272/2008 [CLP]:**

Health	Environmental	Physical
Skin Irritation Category 2 Eye Irritation Category 2A	Aquatic Acute Category 1 Aquatic Chronic Category 1	None

**EU Classification (67/548/EEC as amended):** Irritant (Xi), Dangerous for the Environment (N)

**EU Risk (R) and Safety (S) Phrases:** R36/38, N50/53, S26, S37/39, S57, S60

**Refer to Section 16 for the full text of the EU Classifications and R Phrases.**

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**Label Elements:**

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**Signal Word: WARNING!**

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<b>Hazard Statements</b>	<b>Precautionary Statements</b>
H315 Causes skin irritation H319 Causes serious eye irritation. H410 Very toxic to aquatic life with long lasting effects.	P264 Wash thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. 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. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse. P391 Collect spillage. P501 Dispose of contents/container in accordance with local and national regulations.



Contains Polyoxyethylene Nonylphenylether, branched

**US Hazard Class:** Hazardous**3. COMPOSITION AND INFORMATION ON INGREDIENTS**

<b>Hazardous Components</b>	<b>C.A.S. # EC#</b>	<b>IUPAC Name</b>	<b>WT %</b>
Polyoxyethylene Nonylphenylether, branched	68412-54-4 / 500-209-1	2-{2-[4-(2,4,5-trimethylhexan-3-yl)phenoxy]polyethoxy}ethanol	100





**Refer to Section 16 for the full text of the GHS and EU Classifications and R Phrases.****4. FIRST-AID MEASURES**

<b>Routes of Exposure</b>	<b>First Aid Instructions</b>
<b>Eye</b>	Immediately flush eyes with large quantities of water for 15 minutes, holding the eyelids apart. Get medical attention if irritation persists.
<b>Skin</b>	Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Remove to fresh air. If irritation develops, get medical attention.

<b>Ingestion</b>	Rinse mouth with water. If large amounts are swallowed, get medical attention.
<b>Most important symptoms of exposure</b>	May cause eye and skin irritation.
<b>Other</b>	None known.
<b>Note to Physicians (Treatment, Testing, and Monitoring):</b> Treatment of overexposure should be directed at the control of symptoms and clinical conditions.	

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish fire.
<b>Fire Fighting Procedures:</b>	Cool fire exposed containers and structures with water.
<b>Specific Hazards Arising from the Chemical:</b>	None know.
<b>Precautions for Fire Fighters:</b>	Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

<b>Recommended Protective Equipment for Fire Fighters:</b>			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, PPE and Emergency Procedures:</b> Wear appropriate protective clothing, gloves and eye protection.
<b>Environmental Precautions:</b> Do not flush to sewer. Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.
<b>Methods and Materials for Containment and Clean-up:</b> Collect with an inert absorbent and place into a container for disposal. Wash spill site with water.

<b>Recommended Personal Protective Equipment for Containment and Clean-up:</b>			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use with adequate ventilation. Keep containers closed when not in use.

**Conditions for Safe Storage:** Store in a cool, dry, well ventilated area away from incompatible materials. Protect from physical damage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational Exposure Limits:**

Polyoxyethylene Nonylphenylether, branched	United States	None Established
	Germany	None Established
	United Kingdom	None Established
	France	None Established
	Spain	None Established
	Italy	None Established
	European Union	None Established

**Biological Exposure Limits:** None Established

**Appropriate Engineering Controls:** No special controls required.

**Individual Protection Measures (PPE)**



**Specific Eye/face Protection:** Avoid eye contact. Safety glasses with side shields should be worn if splashing is possible.

**Specific Skin Protection:** Wear rubber gloves to avoid skin contact. Recommended glove: Rubber. Contact glove supplier for thickness and breakthrough times.

**Specific Respiratory Protection:** None required under normal use conditions.

**Specific Thermal Hazards:** Not applicable

**Recommended Personal Protective Equipment:**

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

**Environmental Exposure Controls:** None required for normal use.

**General Hygiene Considerations and Work Practices:** Avoid contact with the eyes, skin and clothing. Wash thoroughly with soap and water after handling. Eye wash facilities should be available in the work area.

**Protective Measures During Repair and Maintenance of Contaminated Equipment:** Not applicable for product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colorless oily liquid	<b>Explosive limits:</b>	Not applicable
<b>Odor:</b>	Slight odor	<b>Vapor pressure:</b>	Not applicable
<b>Odor threshold:</b>	Not available	<b>Vapor density:</b>	Not applicable
<b>pH:</b>	Not available	<b>Relative density:</b>	1.05
<b>Melting/freezing point:</b>	Not available	<b>Solubility:</b>	Complete
<b>Initial boiling point and range:</b>	>212°C	<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Flash point:</b>	>212°F (PMCC)	<b>Auto-ignition temperature:</b>	Not available
<b>Evaporation rate:</b>	Nil	<b>Decomposition temperature:</b>	Not available
<b>Flammability:</b>	Not flammable	<b>Viscosity:</b>	Not available
<b>Explosive Properties:</b>	None	<b>Oxidizing Properties:</b>	None

## 10. STABILITY AND REACTIVITY

**Reactivity:** Will not polymerize or react dangerously.

**Chemical Stability:** Stable.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Avoid excessive temperatures.

**Incompatible materials:** Avoid oxidizing agents and strong acids.

**Hazardous Decomposition Products:** Thermal decomposition may produce carbon monoxide, carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### **Potential Health Effects:**

Eyes: May cause irritation with redness and tearing.

Skin: May cause skin irritation.

Ingestion: Large amounts may cause gastric irritation with nausea, vomiting and diarrhea.

Inhalation: Inhalation of mists may cause irritation to the upper respiratory tract.

**Chronic Health Effects:** None known.

**Carcinogenicity:** None of the other components of this product are listed as carcinogens by OSHA, IARC, ACGIH, NTP or EU Directives.

**Mutagenicity:** Polyoxyethylene Nonylphenylether was negative in AMES test, in human lymphocyte cell assay and mouse lymphoma assay.

**Medical Conditions Aggravated by Exposure:** Employees with pre-existing eye and skin disorders may be at increased risk from exposure.

### **Acute Toxicity Data:**

Oral rat LD50 >2,000 mg/kg

Skin rabbit LD50 >3,000 mg/kg

**Reproductive Toxicity Data:** In a 2 generation study, rats were administered 0, 200, 650, and 2,000 ppm/day. Testis descent, anogenital distance and preputial separation were not consistently changed. No consistent changes were seen in pup number, weight or viability, litter indices or other functional reproductive measures within the different groups or between generations. The NOAEL for polyoxyethylene nonylphenylether can be considered 200 ppm.

### **Specific Target Organ Toxicity (STOT):**

Single Exposure: Polyoxyethylene Nonylphenylether, branched has been shown to cause skin irritation in an OECD 404 study with rabbits. In OECD Guideline 405 study for eye irritation, polyoxyethylene nonylphenylether, branched was shown to cause mild eye irritation.

Repeated Exposure: In a 2 year oral study, rats were fed 40, 200 and 1,000 mg/kg of polyoxyethylene nonylphenylether in their diets. No significant effects were observed. The NOEL was determined to be 40 mg/kg.

## 12. ECOLOGICAL INFORMATION

**Toxicity:** 96 hr EC50 fathead minnow 0.323 mg/L, 48 hr LC50 Ceriodaphnia dubia 0.716 mg/L

**Persistence and Degradability:** This product is considered inherently biodegradable (58.7% in 35 days).

**Bio-accumulative Potential:** This product is expected to have a low potential for bio-accumulation.

**Mobility in Soil:** No information is available.

**Other Adverse Effects:** None known.

**Results of PBT/vPvB Assessment:** Not required.

### 13. DISPOSAL CONSIDERATIONS

**Regulations:** Dispose in accordance with local and national environmental regulations.

**Properties (Physical/Chemical) Affecting Disposal:** None known.

**Waste Treatment Recommendations:** None needed for normal anticipated use.

### 14. TRANSPORT INFORMATION

<b>UN Number:</b>	ADR/RID: UN3082	IMDG: UN3082	IATA: UN3082	DOT: None
<b>UN proper shipping name:</b>	ADR/RID: Environmentally Hazardous Substance, liquid n.o.s. (Polyoxyethylene Nonylphenylether, branched) IMDG: Environmentally Hazardous Substance, liquid n.o.s. (Polyoxyethylene Nonylphenylether, branched) IATA: Environmentally Hazardous Substance, liquid n.o.s. (Polyoxyethylene Nonylphenylether, branched) DOT: Not Regulated			
<b>Transport hazard class(es):</b>	ADR/RID: 9	IMDG: 9	IATA: 9	DOT: None
<b>Packaging group:</b>	ADR/RID: PGIII	IMDG: PGIII	IATA: PGIII	DOT: None
<b>Environmental hazards:</b>	ADR/RID: Yes	IMDG Marine pollutant: Yes	IATA: Yes	DOT: No
<b>Special precautions for user:</b> Not applicable				

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act (TSCA):** This product is a medical device and not subject to chemical notification requirements.

**OSHA Hazard Classification:** Acute Health

**Clean Water Act (CWA):** Not Listed

**Clean Air Act (CAA):** Not Listed

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

**SARA Section 311/312 (40 CFR 370) Hazard Categories:**

<b>Immediate Hazard:</b>	<b>Yes</b>	<b>Pressure Hazard:</b>	<b>No</b>
<b>Delayed Hazard:</b>	<b>No</b>	<b>Reactivity Hazard:</b>	<b>No</b>
<b>Fire Hazard:</b>	<b>No</b>		

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):**

<b>Components</b>	<b>C.A.S. #</b>	<b>WT %</b>
None		

**State Regulations**

**California:** This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

<b>Components</b>	<b>C.A.S. #</b>	<b>WT %</b>
None		

**International Regulations**

**EU REACH:** The substances in this product comply with the EU REACH regulation as applicable.

<b>16. OTHER INFORMATION</b>
<p>Full text of Classification abbreviations used in Section 2 and 3:                      Xi Irritant                      N Dangerous for the Environment                      R36/38 Irritating to eyes and skin.                      R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.                      S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.                      S37/39 Wear suitable gloves and eye/face protection.                      S57 Use appropriate container to avoid environmental contamination.                      S60 This material and its container must be disposed of as hazardous waste.</p> <p>.</p> <p>Date of SDS Preparation/Revision: 26 August 2011</p> <p>Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.</p>