

SAFETY DATA SHEET

HYDRO-GARD 33

Section 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Name:	Umaco Hydro-Gard 33
Product Form:	Mixture
1.2 Product Use:	Liquid Membrane
1.3 Supplier/Manufacturer:	Umaco, Inc. 60 Rear Newhall Street Lowell, MA 01852 Phone: 978-453-8881
1.4 Emergency Number:	CHEMTREC (800) 424-9300

Section 2: HAZARDS IDENTIFICATION

2.1 Classification of the Chemical:	
Hazard Class:	Not Classified
2.2 Label Elements:	No Labeling Applicable
2.3 Additional Information:	
Hazards not otherwise classified:	N/A 70% of the mixture consists of ingredient(s) of unknown acute toxicity.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures:			
Ingredient	CAS #	Wt.%	GHS-US Classification
Not applicable	-	-	-

None by OSHA HazCom 2012 criteria.

Section 4: FIRST AID MEASURES

4.1 Description of First Aid Measures:	
Eye:	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
Skin:	In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation persists.
Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.
4.2 Most Important Symptoms & Effects both Acute & Delayed:	
Eye:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Skin:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause gastrointestinal irritation if ingested.
4.3 Indication of Any Immediate Medical Attention and Special Treatments Needed:	
Note to Physicians:	Symptoms may not appear immediately.
Specific Treatments:	In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media:	
Suitable Extinguishing Media:	Powder, Water Fog, Foam, Carbon Dioxide
Unsuitable Extinguishing Media:	None known
5.2 Special Hazards Arising From the Chemical:	
Products of Combustion:	May include, and are not limited to: oxides of carbon
5.3 Special Protective Equipment and Precautions for Fire Fighters:	Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
6.2 Methods and Materials for Containment/Cleanup:	

Methods for Containment:	Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
Methods for Cleanup:	Scoop up material and place in a disposal container.

Section 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling:	
Handling:	Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Handle and open container with care. When using do not eat, drink, or smoke.
General Hygiene Advice:	Laundry contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.
7.2 Conditions for Safe Storage, Including Any Incompatibilities:	
Storage:	Keep out of the reach of children. Keep container tightly closed and dry. Keep cool. Keep from freezing. Do not store at temperature above 38 °C (100 °F).

Section 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control Parameters:		
Exposure Guidelines:		
Ingredient	OSHA-PEL	ACGIH-TLV
N/A	N/A	N/A

8.2 Exposure Controls:	
Engineering Controls:	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
8.3 Individual Protective Measures:	
Personal Protective Equipment:	
Eye/Face Protection:	Safety glasses with side shields.
Hand Protection:	Wear chemically resistant protective gloves.
Skin/Body Protection:	Wear suitable protective clothing.
Respiratory Protection :	None necessary under normal conditions of use. A NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded.

Environmental Exposure Controls:	Maintain levels below community environmental protection thresholds.
Other Information:	Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties:	
Appearance:	N/A
Color:	White
Odor:	Slight, sweet
Odor Threshold:	N/A
Physical State:	Liquid
pH:	4.5 - 6
Viscosity:	N/A
Freezing Point:	~ 0 °C (~ 32°F)
Boiling Point:	>100 °C (>212°F)
Melting Point:	~ 0 °C (~ 32°F)
Flash Point:	>100°C (> 212°F)
Evaporation Rate:	N/A
Flammability:	Not flammable
Lower Flammability Limit:	N/A
Vapor Pressure:	17.5 mm Hg @ 20°C (68°F)
Vapor Density:	N/A
Relative Density:	1.08 - 1.1
Bulk Density:	N/A
Lower Explosion Limit:	N/A
Upper Explosion Limit:	N/A
Solubility :	Miscible
Coefficient of Water/Oil Distribution:	N/A
Auto-ignition Temperature:	N/A
Percent Volatile, wt. %:	N/A
VOC Content, wt. %:	<1 g/l

Section 10: STABILITY AND REACTIVITY

10.1 Reactivity:	No dangerous reaction known under conditions of normal use.
10.2 Chemical Stability:	Stable under normal conditions.
10.3 Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
10.4 Conditions to Avoid:	Heat. Incompatible materials. Keep from freezing.
10.5 Incompatible Materials:	Strong oxidizers. Water reactive materials.
10.6 Hazardous Decomposition Products:	May include, and are not limited to; oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects	
After Eye Contact:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
After Skin Contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
After Ingestion:	May be harmful if swallowed. May cause gastrointestinal irritation if ingested.
After Inhalation:	May cause respiratory tract irritation.
Acute Toxicity:	Not classified.

Ingredient	ATE (oral)	ATE (dermal)	ATE (inhalation)
Mixture	N/A	N/A	N/A

11.2 Delayed, Immediate and Chronic Effects of Short and Long Term Exposure:

Skin Corrosion/Irritation:	N/A
Serious Eye Damage/Irritation:	N/A
Respiratory Sensitization:	N/A
Skin Sensitization:	N/A
STOT-Single Exposure:	N/A
Chronic Health Effects:	N/A
Carcinogenicity:	N/A
Germ Cell Mutagenicity:	N/A
STOT-Repeated Exposure:	N/A
Aspiration Hazard:	N/A
Toxicologically Synergistic Materials:	N/A
Other Information:	N/A

Section 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:	May cause long term adverse effects in the aquatic environment.
12.2 Persistence and Degradability:	N/A
12.3 Bioaccumulative Potential	
Bioaccumulation:	N/A
12.4 Mobility in Soil:	N/A
12.5 Other Adverse Effects:	N/A

Section 13: DISPOSAL CONSIDERATION

13.1 Waste Treatment Methods:	
Disposal Method:	This material must be disposed of in accordance with local, state, provincial, and federal regulations.
Other disposal recommendations:	N/A

Section 14: TRANSPORTATION INFORMATION

14.1 UN Number:	Not Regulated
14.2 UN Proper Shipping Name:	Not Applicable
14.3 Transport Hazard Class (ES):	Not Applicable
14.4 Packing Group:	Not Applicable
14.5 Environmental Hazards:	Not Applicable
14.6 Special Precautions for User:	Do not handle until all safety precautions have been read and understood

Section 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislations Specific for the Chemical:

US FEDERAL REGULATIONS:	N/A
US STATE REGULATIONS:	This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

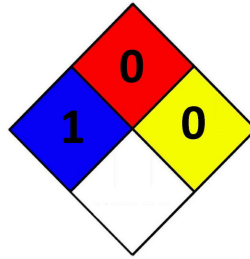
NFPA: National Fire Protection Association:

Health: 1

Fire: 0

Reactivity: 0

Hazard Rating:				
0 = minimal	1 = slight	2 = moderate	3 = severe	4 = extreme



Blue = Health	Red = Flammability	Yellow = Reactivity	White = Special
---------------	--------------------	---------------------	-----------------

Source Agency Carcinogen Classifications	
IARC (I)	<p>International Agency for Research on Cancer. 1 - The agent (mixture) is carcinogenic to humans. 2A - The agent (mixture) is probably carcinogenic to humans. 2B - The agent (mixture) is possibly carcinogenic to humans. 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans. 4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.</p>
NTP (N)	<p>National Toxicology Program. 1 - Evidence of Carcinogenicity 2 - Known Human Carcinogens 3 - Reasonably anticipated to be Human Carcinogens 4 - Substances delisted from report on Carcinogens 5 - Twelfth Report: items under construction</p>

Section 16: OTHER INFORMATION

Date of Preparation:	July 1, 2021
Version:	1.0
Revision Date:	July 1, 2021
Disclaimer:	We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.
Prepared By:	Umaco, Inc.
Prepared For:	Umaco, Inc.