



SAFETY DATA SHEET

Product: YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN

Revision: 03

Pages: 1/ 8

1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the product:	YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN
Supplier product code:	YLO30.1089.00US
Recommended uses:	Self sealer for furniture, decorative wood and other wood artifacts. Internal use.
Restrictions on use:	There are not known restrictions on use of the product.
Supplier name:	Renner Wood Coatings
Address:	651, Michael Wylie Drive, Charlotte - NC - USA
Telephone number:	1 704 527 9261
Emergency telephone number:	001 800 255 3924
Fax number:	1 704 527 9225
E-mail address:	info@rennerwoodcoatings.com

2 - HAZARDS IDENTIFICATION

Most important hazards: Causes damage to central nervous system. May cause damage to blood through repeated or prolonged exposure. Causes mild skin irritation. Suspected of damaging fertility or the unborn child.

Product effects

Adverse effects to the human health: Causes damage to central nervous system. May cause damage to blood through repeated or prolonged exposure. Causes mild skin irritation. Suspected of damaging fertility or the unborn child.

Environmental effects: It is not expected that product presents environmental effects.

Physical and chemical hazards: It is not expected that product presents physical and chemical hazards.

Chemical product-specific hazards: It is not expected that product presents specific hazards.

Classification of the chemical product:
Skin Corrosion/Irritation - Category 3
Reproductive Toxicity - Category 2
Specific Target Organ Toxicity - Single Exposure - Category 1
Specific Target Organ Toxicity - Repeated Exposure - Category 2

Classification system adopted: Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.

Adequate labeling elements

Pictograms:



Signal word: DANGER



SAFETY DATA SHEET

Product: YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN

Revision: 03

Pages: 2/ 8

Hazard statement(s): H316 Causes mild skin irritation.
H361 Suspected of damaging fertility or the unborn child.
H370 Causes damage to central nervous system.
H373 May cause damage to blood through repeated or prolonged exposure.

Precautionary statement(s): P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe mist or aerosol vapors.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P321 Specific treatment.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents and container in accordance with local regulations.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

Components contributing to the hazard: Ethylene glycol mono-n-butyl ether (CAS 111-76-2): 1.500 - 2.500%
Tetraethylene glycol dimethyl ether (CAS 143-24-8): 0.413 - 0.688%
Dipropylene glycol monomethyl ether (CAS 34590-94-8): 0.094 - 0.156%

4 - FIRST-AID MEASURES

Exposure routes

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim feels unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this SDS.

Skin contact: Wash exposed skin with sufficient amount of water to remove the material. Take off and isolate contaminated clothing and shoes. In case of skin irritation: contact a doctor. Bring this SDS.

Eye contact: Wash carefully with water for several minutes. In case of use of contact lenses, remove them, if possible. Keep washing. If eyes irritation continues: Contact a doctor. Bring this SDS.

Ingestion: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse the victims mouth with water in abundance. If the victim feels unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this SDS.

Most important acute and/or anticipated delayed symptoms/effects: Causes irritation to skin redness and dryness. The single exposure may cause damage to central nervous system. Repeated exposure may cause damage to blood.



SAFETY DATA SHEET

Product: YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN

Revision: 03

Pages: 3/ 8

Protection of first-aiders and/or special notes to a physician:	Avoid contact with the product to help the victim. Keep victim warm and quiet. Symptomatic treatment should comprise mainly supportive measures such as correction of electrolyte disturbances, metabolic, and respiratory support. In case of skin contact do not rub the affected site.
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5 - FIRE-FIGHTING MEASURES

Extinguishing media:	Appropriate: Compatible with carbon dioxide (CO ₂), foam, water mist and powder. Inappropriate: Water jet directly.
Specific hazards arising from the chemical product:	The combustion or the chemical containers may form toxic and irritant gases such as carbon monoxide and carbon dioxide. Vapors may be heavier than air and tend to accumulate in low or confined areas, such as sewers and basements. Containers may explode if heated.
Special equipment for the protection of fire-fighters and specific extinguishing methods:	Use self-contained breathing apparatus (SCBA) operated in positive pressure mode and complete protective clothing. Containers and tanks involved in the fire should be cooled with water mist.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:	Do not smoke. Avoid exposure to the product. If necessary, use personal protective equipment as described in Section 8.
Protective equipment:	Use protective equipment as described in Section 8.
Emergency procedures:	It is recommended the installation of fire alarm system and leak detection in local storage and use of the product.
Environmental precautions:	Avoid that the spilled material reaches waterways or sewage system.
Methods and materials for containment and cleaning up:	Use water mist or vapor suppressing foam to reduce the dispersion of vapors. Use natural barriers or spill containment. Collect spilled material and put it into containers. Adsorb the remaining product with dried sand, vermiculite or any other inert material. Put the adsorbed material in appropriate containers and remove them to a safe place. Use tools that do not cause sparks to collect absorbed material. For final destination, proceed pursuant to Section 13 of this SDS.
Secondary disaster prevention measures:	Do not dispose directly into the environment or into the sewage system. The products resulting from fire control may cause pollution.

7 - HANDLING AND STORAGE

Handling	
Precautions for safe handling:	Handle in a well ventilated area or with general system of ventilation/local exhaust. Avoid vapors and mists formation.
Technical measures:	It is not expected that the product presents a fire or explosion hazard. Use personal protective equipment as described in Section 8.
Suitable precautions and prevention of contact:	Wash hands and face thoroughly after handling and before eating, drinking, smoking or going to the bathroom. Do not eat, drink or smoke while using this product.
Storage	



SAFETY DATA SHEET

Product: YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN

Revision: 03

Pages: 4/ 8

Conditions for safe storage: Store in a well ventilated place away from sunlight. Keep container closed. Keep away from high temperatures. Keep stored at room temperature not exceeding 35°C (95°F).

Technical measures: Keep away from elevated temperatures and contact with incompatible materials.

Incompatible substances and mixtures: Hydrochloric acid, strong acids, oxidizing agents, acid anhydride, strong base, chlorine, very reactive compounds with hydroxyl groups, oxygen difluoride, fluorine, isocyanates, potassium permanganate and chloro trifluoride.

Packaging materials

Recommended material: Plastic

Inappropriate material: Metal

8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration

Occupational exposure limit: -Ethylene glycol mono-n-butyl ether:
TLV - TWA (ACGIH, 2015): 20 ppm.
-Dipropylene glycol monomethyl ether:
TLV - TWA (ACGIH, 2015): 100 ppm
TLV - STEL (ACGIH, 2015): 150 ppm.

Biological limit: -Ethylene glycol mono-n-butyl ether:
BEI (ACGIH, 2015): Butoxyacetic acid (BAA) in urine (End of shift): 200 mg/g creatinine

Engineering controls measures: Promote direct mechanical ventilation and exhaust system to the outside environment. These measures help reduce exposure to product. Maintain atmospheric concentrations of the constituents of the product below occupational exposure limits indicated.

Other limits: -Ethylene glycol mono-n-butyl ether:
IDLH (NIOSH - 2011): 700 ppm
-2-propanol, 1-(2-butoxy-1-methylethoxy)-:
Dow IHG (LT aerosol): 10 mg / m³ newline IHG Dow Industrial Hygiene Recommendation Dow
-Dipropylene glycol monomethyl ether:
IDLH (NIOSH, 2010): 600 ppm

Appropriate personal protective equipment

Respiratory protection: Protective mask with filter for organic solvents and dusts.

Hand protection: Butyl rubber, nitrile rubber, latex, neoprene or PVC protective gloves.

Eye protection: Safety glasses or face shield.

Skin and body protection: Safety shoes, pants and long sleeves cotton shirt with clenched fists or protection of whole body against chemical splash.

Special precautions: Not established.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, form and colour): Liquid

Odour and odour threshold: Not available.

pH: 7.5 to 8.5



SAFETY DATA SHEET

Product: YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN

Revision: 03

Pages: 5/ 8

Melting point/freezing point:	Not available.
Boiling point, initial boiling and boiling range:	Not available.
Flashpoint:	Not available.
Evaporation rate:	Not available.
Flammability (soil, gas):	Not applicable.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available
Vapour density:	Not available
Density/relative density:	0.982 to 1.022 at 25°C (77°F)
Solubility(ies):	Water-miscible.
n-octanol/water partition coefficient:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Other information:	VOC: 37.0 g/L; VOC: 0.310 lb/US gal HAP: 0.0 g/L; HAP: 0.000 lb/US gal

10 - STABILITY AND REACTIVITY

Chemical stability:	Product is stable under normal conditions of temperature and pressure.
Hazardous reactions:	BUTYLGLYCOL: If the product is subjected to distillation, its distillate does not contain the inhibitor and is subject to the formation of peroxides, there is danger of explosion when heated. Ether dipropylene glycol monomethyl: Vapours of the substance can form explosive peroxides in contact with air.
Conditions to avoid:	Elevated temperatures. Contact with incompatible materials.
Incompatible materials:	Hydrochloric acid, strong acids, oxidizing agents, acid anhydride, strong base, chlorine, very reactive compounds with hydroxyl groups, oxygen difluoride, fluorine, isocyanates, potassium permanganate and chloro trifluoride.
Hazardous decomposition products:	There are no known hazardous decomposition products.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity:	Product not classified as acute toxic. Acute Toxicity Estimate (ATE) ATEm (oral): > 5000 mg/kg ATEm (dermal): > 5000 mg/kg ATEm (inhalation, 4h): > 20 mg/L
Skin irritation/corrosion:	Causes mild skin irritation with redness and dryness.
Eye damage/irritation:	It is not expected that the product causes eye irritation.



SAFETY DATA SHEET

Product: YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN

Revision: 03

Pages: 6/ 8

Respiratory or skin sensitization:	It is not expected that the product causes respiratory or skin sensitization.
Reproductive cell mutagenicity:	It is not expected that the product presents germ cell mutagenicity.
Carcinogenicity:	It is not expected that the product presents carcinogenicity.
Reproductive toxicity:	Suspected of damaging fertility or the unborn child. Information regarding to: <u>-Tetraethylene glycol dimethyl ether:</u> A study conducted in rats showed that the substance is harmful to the reproductive system of these animals. <u>-Ethylene glycol mono-n-butyl ether:</u> In tests with animals in the reproductive systems the main effect Observed a higher mortality implants. In mice fed high doses (more than 6000 mg / kg) there was a decrease in sperm count and morphology.
Specific target organ toxicity - single exposure:	Causes damage to central nervous system.
Specific target organ toxicity - repeated exposure:	May cause damage to blood through repeated or prolonged exposure. Information regarding to: <u>-BUTYLGLYCOL :</u> can cause hemolytic effects.
Aspiration Hazard:	It is not expected that the product presents aspiration hazard.

12 - ECOLOGICAL INFORMATION

Environmental effects, behavior and fate of the product

Ecotoxicity:	It is not expected that the product presents ecotoxicity.
Persistence and degradability:	Due to the lack of data, it is expected that the product presents persistence and it is not considered readily biodegradable.
Bioaccumulative potential:	It is not expected that the product presents bioaccumulative potential in aquatic organisms.
Mobility in soil:	Not determined.
Other adverse effects:	There are not known other environmental effects for this product.

13 - DISPOSAL CONSIDERATIONS

Methods of disposal to the product waste/residues:	Must be disposed of as hazardous waste in compliance with local regulations. The treatment and disposal should be evaluated for each specific product. Keep the product remains in its original and properly closed containers. Disposal should be performed as established for the product.
Contaminated container/packaging:	Do not reuse empty containers. These may contain product residues and should be kept closed and sent for proper disposal as established for the product.

14 - TRANSPORT INFORMATION

International regulations

Land:	UN - "United Nations" Recommendations on the TRANSPORT OF DANGEROUS GOODS. Model Regulations
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SAFETY DATA SHEET

Product: YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN

Revision: 03

Pages: 7/ 8

Sea:	IMO - International Maritime Organization International Maritime Dangerous Goods Code (IMDG Code)
Air:	IATA - International Air Transport Association Dangerous Goods Regulation (DGR)
UN number:	Not classified as hazardous to transport in different modals.
Transport in bulk according to MARPOL 73/78, Annex II, and the IBC Code:	Consult regulations: - International Maritime Organization. MARPOL: Articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, consolidated edition. IMO, London, 2006. - International Maritime Organization. IBC code: International code for the construction and equipment of shipping carrying dangerous chemicals in bulk: With Standards and guidelines relevant to the code. IMO, London, 2007.

15 - REGULATORY INFORMATION

Specific regulations for the chemical product:	Convention concerning Safety in the use of Chemicals at Work (Convention 170) - International Labour Organization, 1990; International Organization for Standardization - ISO 11014:2009.YLO30.1089.00US. TSCA status: We certify that all of the components of this product are listed on the TSCA Inventory. DSL status: We certify that all of the components of this product are listed on the DSL. Prop.65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.
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16 - OTHER INFORMATION

Important information, but not specifically described in the previous sections:

This SDS was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other materials, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace it is for the user companys product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

SDS elaborated in September 2016.

Hazard classification of chemical:	Health: 1 Flammability: 0 Instability: 0 Specific: Probably not classified
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Classification system adopted: National Fire Protection Association: NFPA 704.

SAFETY DATA SHEET

Product: YLO30.1089.00US - TRANSP. WB SELF SEALER 30 SHEEN

Revision: 03

Pages: 8/ 8

Hazard classification of chemical: Health: 2*
Flammability: 0
Physical Hazard: 0
Personal Protection: I

Classification system adopted: National Paint & Coatings Association: NPCA.
NFPA 704:



HMIS:

HEALTH	*	2
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		I

Captions and abbreviations:

ACGIH - American Conference of Governmental Industrial Hygienists
BEI - Biological Exposure Index
CAS - Chemical Abstracts Service
IDLH - Immediately Dangerous to Life or Health
LT - Limite de tolerância
NIOSH - National Institute for Occupational Safety and Health
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
TWA - Time Weighted Average
VOC - Volatile Organic Compound

Bibliographical references:

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GESTIS - GESTIS SUBSTANCE DATABASE. Available at: < http://gestis-en.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templatesfn=default.htm3.0 > . Access in: sep. 2016.
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U.S. ENVIRONMENTAL PROTECTION AGENCY. *ECOSAR - Ecological Structure-Activity Relationships*. Version 1.11. Available at: < <http://www.epa.gov/oppt/newchems/tools/21ecosar.htm> > . Access in: sep. 2016.