



SAFETY DATA SHEET

Product: YXP.2012.09US - GREEN WB CONCENTRATE

Revision: 01

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1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identification of the product:	YXP.2012.09US - GREEN WB CONCENTRATE
Supplier product code:	YXP.2012.09US
Recommended uses:	This product is indicated to make color adjustments in WB products that will be applied in wooden artifacts finishing processes for interior 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:	Product not classified as hazardous by the Classification System used.
Product effects	
Adverse effects to the human health:	It is not expected that product presents adverse effects to the human health.
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:	Not classified as dangerous in the classification system used.
Classification system adopted:	Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.
Adequate labeling elements	
Pictograms:	Not applicable.
Signal word:	Not applicable.
Hazard statement(s):	Not applicable.
Precautionary statement(s):	Wash your hands after handling the product. During handling of the product do not drink, eat or smoke. It is recommended the use of appropriate PPE when handling the product. Get product information before handling. Store product in a suitable place. In case of emergency proceed as SDS information.

3 - COMPOSITION/INFORMATION ON INGREDIENTS MIXTURE



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Components contributing to the hazard: Propyleneglycol (CAS 57-55-6): 15.000 - 25.000%

4 - FIRST-AID MEASURES

Exposure routes

Inhalation:	Remove victim to fresh air.
Skin contact:	Wash exposed skin with sufficient amount of water to remove the material.
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. Wash the exposed persons mouth with wate. 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:	There are not expected effects and symptoms after exposure to the chemical.
Protection of first-aiders and/or special notes to a physician:	If necessary, provide symptomatic treatment.

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 are 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:	Emergency procedures are not necessary.
Environmental precautions:	Avoid that the spilled material reaches waterways or sewage system.



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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.

Storage

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, oxidizing agents, acid anhydride and potassium permanganate.

Packaging materials

Recommended material:	Plastic
Inappropriate material:	Metal

8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentration

Occupational exposure limit:	Not established.
Biological limit:	Not established.
Engineering controls measures:	Promote direct mechanical ventilation and exhaust system to the outside environment. These measures help reduce exposure to product.
Other limits:	Not established.

Appropriate personal protective equipment

Respiratory protection:	Protective mask with filter for organic solvents, ammonia, sulphur and mercury.
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.



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9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, form and colour):	liquid
Odour and odour threshold:	Not available.
pH:	Not available
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:	1.42 to 1.52 at 25°C (77°F)
Solubility(ies):	Soluble in water.
n-octanol/water partition coefficient:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Other information:	Not applicable.

10 - STABILITY AND REACTIVITY

Chemical stability:	Product is stable under normal conditions of temperature and pressure.
Hazardous reactions:	There are not known hazardous reactions with the product.
Conditions to avoid:	Elevated temperatures. Contact with incompatible materials.
Incompatible materials:	Hydrochloric acid, oxidizing agents, acid anhydride and potassium permanganate.
Hazardous decomposition products:	There are not known hazardous decomposition products.

11 - TOXICOLOGICAL INFORMATION

Acute toxicity:	It is not expected that the product presents acute toxicity.
Skin irritation/corrosion:	It is not expected that the product presents skin corrosion/irritation.
Eye damage/irritation:	It is not expected that the product causes eye irritation.
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.



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Carcinogenicity:	It is not expected that the product presents carcinogenicity.
Reproductive toxicity:	It is not expected that the product presents reproductive toxicity.
Specific target organ toxicity - single exposure:	It is not expected that the product presents specific target organ toxicity by single exposure.
Specific target organ toxicity - repeated exposure:	It is expected that the product presents toxicity specific target organ toxicity by repeated exposure.
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:	It is expected that the product presents persistence and it is not considered readily biodegradable.
Bioaccumulative potential:	Presents low bioaccumulative potencial in aquatic organisms. Information regarding to: <u>-Propyleneglycol:</u> BCF: 3.162 log K _{ow} : -0.920
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
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.



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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.

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 company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

SDS elaborated in September 2015.

Hazard classification of
chemical:

Health: 0
Flammability: 0
Instability: 0

Classification system
adopted:

National Fire Protection Association: NFPA 704.

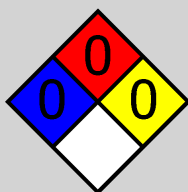
Hazard classification of
chemical:

Health: 0
Flammability: 0
Physical Hazard: 0
Personal Protection: G

Classification system
adopted:

National Paint & Coatings Association: NPCA.

NFPA 704:





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HMIS:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

Captions and abbreviations:BCF - *Bioconcentration factor*CAS - *Chemical Abstracts Service***Bibliographical references:**

ECHA-EUROPEAN CHEMICAL AGENCY. Available at: < <http://echa.europa.eu/web/guest> > . Access in: sep. 2015.

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. 2015.

Globally Harmonized System of Classification and Labelling of Chemicals (GHS). 5. rev. ed. New York: United Nations, 2013.

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. 2015.