

## SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION

Product Identifiers  
Product Name : **Henry® 971 PlankPro™ Wood Adhesive**  
Code No. : 1221022  
Trade Name/Synonyms : Henry 971  
Material Use : Moisture Cure Urethane Wood Adhesive  
Restrictions on Use : Use only as recommended in the product's Technical Data Sheet  
Details of the Supplier

**Manufacturer's name and address:**

**HENRY.**

The W.W. Henry Company  
400 Ardex Park Drive  
Aliquippa, PA 15001 USA

**Supplier's name and address:**

Refer to Manufacturer

Information Telephone No. : (724) 203-8000  
Website Address : <http://www.wwhenry.com>  
24 Hr Emergency Telephone # : **CHEM-TEL: 1-800-255-3924 OR 1-813-248-0585 (call collect)**

### SECTION 2 – HAZARDS IDENTIFICATION

**GHS Classification per 29 CFR 1910.1200 (OSHA HCS 2012) and HPR (WHMIS 2015)**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

- : ACUTE TOXICITY (inhalation) - Category 4
- SKIN CORROSION/IRRITATION - Category 2
- SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
- RESPIRATORY SENSITIZATION - Category 1
- SKIN SENSITIZATION - Category 1
- SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
- SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) (inhalation) - Category 2

**Percentage of the mixture consisting of ingredient(s) of unknown toxicity**

: 6.7%

**GHS Pictograms**

:



**Signal Word**

: Danger

**Hazard Statements**

Harmful if inhaled.  
Causes skin and eye irritation.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause an allergic skin reaction.  
May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure if inhaled.  
(lungs)

#### Precautionary Statements

- General** : Read label before use. Keep out of the reach of children. If medical advice is needed, have product container or label at hand.
- Prevention** : Wear protective gloves. Wear eye or face protection. In case of inadequate ventilation wear respiratory protection. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.
- Response** : Get medical attention if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. If experiencing respiratory symptoms: Call a POISON CENTER or physician. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations. Do not allow product to enter drains.

**Hazards Not Otherwise Classified:** None known.

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS #	% (by weight)
Distillates (petroleum), hydrotreated light	64742-47-8	1 – 5
Methylenediphenyl diisocyanate	26447-40-5	1 – 5
Methylenediphenyl diisocyanate (4,4'-MDI)	101-68-8	1 – 5

The exact percentages of the ingredients are withheld as trade secrets.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

### SECTION 4 – FIRST AID MEASURES

#### Description of necessary first aid measures

- General Information** : Call a POISON CENTER or doctor/physician if you feel unwell. Show the Safety Data Sheet to the medical personnel.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours. In the event of any complaints or symptoms, avoid further exposure.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention following exposure or if feeling unwell. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Notes for Physician** : Treat symptomatically.

**Signs and symptoms of short-term (acute) exposure**

- Inhalation** : Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin** : Causes skin irritation. May cause an allergic skin reaction.
- Eyes** : Causes serious eye irritation.
- Ingestion** : Irritating to mouth, throat and stomach.

**Effects of long-term (chronic) exposure**

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
wheezing and breathing difficulties  
asthma
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data

**Indication of need for immediate medical attention or special treatment**

- Notes to Physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific Treatment** : No specific treatment.
- Protection of First-Aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**SECTION 5 – FIRE FIGHTING MEASURES**

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

### Hazardous thermal decomposition products

Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides

### Special protective actions for fire fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

### Special protective equipment for fire fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

**Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7 – HANDLING AND STORAGE

### Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

### Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating,

drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities**

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Occupational Exposure Limits	Agency	TWA (8 hrs)		Other
		ppm	mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated light	ACGIH TLV		200 (skin)	
Methylene diphenyl diisocyanate	ACGIH TLV	0.005	0.05	
4,4'- Methylene diphenyl diisocyanate	ACGIH TLV	0.005	0.05	
	NIOSH REL	0.005		0.02 ppm CEIL (10 min)
	OSHA Ceiling			0.02 ppm
	IDLH			75 mg/m <sup>3</sup>

**Appropriate engineering controls:** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye / face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	: Liquid (paste)	<b>Appearance</b>	: Brown
<b>Odor</b>	: Faint odor	<b>Odor threshold</b>	: N/Av
<b>pH</b>	: N/Av	<b>Specific gravity</b>	: 1.39
<b>Boiling point</b>	: N/Av	<b>Coefficient of water/oil distribution</b>	: N/Av
<b>Melting/Freezing point</b>	: N/Av	<b>Solubility in water</b>	: Insoluble
<b>Vapor pressure (mm Hg @ 20°C)</b>	: $5 \times 10^{-6}$ mm Hg @ 25°C (MDI)		
<b>Vapor density (Air = 1)</b>	: N/Av	<b>Evaporation rate (<i>n</i>-Butyl acetate = 1)</b>	: N/Av
<b>Volatile organic compounds (VOCs)</b>			
	: 55 g/L SCAQMD 1168		
<b>Volatiles (% by weight)</b>	: 4 - 5%	<b>Particle size</b>	: N/Av
<b>Flash point</b>	: >200°F (> 93.3°C)	<b>Lower flammable limit (% by vol)</b>	: N/Av
<b>Flash point method</b>	: Setaflash closed cup	<b>Upper flammable limit (% by vol)</b>	: N/Av
<b>Auto-ignition temperature</b>	: N/Av	<b>Oxidizing properties</b>	: None
<b>Flame projection length</b>	: N/Av	<b>Flashback observed</b>	: N/Av
<b>Explosion data: Sensitivity to mechanical impact / static discharge</b>			
	: Not expected to be sensitive to mechanical impact or static discharge.		

## SECTION 10 – REACTIVITY AND STABILITY INFORMATION

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients
<b>Stability</b>	: Stable under the recommended storage and handling conditions prescribed.
<b>Possibility of hazardous reactions</b>	: Hazardous reactions or instability may occur under certain conditions of storage or use.
<b>Conditions to avoid</b>	: No specific data.
<b>Incompatible materials</b>	: No specific data.
<b>Hazardous decomposition products</b>	
	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11 – TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Sensitization

- Skin** : Contains isocyanates. May cause sensitization by skin contact. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Respiratory** : Contains isocyanates. May cause sensitization by inhalation. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Specific Target Organ Effects, Single Exposure**

: Isocyanates are known to cause respiratory tract irritation.

**Specific Target Organ Effects, Repeated or Prolonged Exposure**

: Chronic overexposure to diisocyanates has been reported to cause lung damage (including fibrosis, decrease in lung function) that may be permanent.

**Aspiration Hazard**

: Contains a low level of petroleum distillates. The product's viscosity makes aspiration unlikely.

**Likely Routes of Exposure**

: *Inhalation*: YES    *Skin Absorption*: No    *Skin and Eyes*: YES    *Ingestion*: YES

**Potential acute health effects**

**Eye contact**

: Causes eye irritation.

**Inhalation**

: Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Skin contact**

: Causes skin irritation. May cause an allergic skin reaction.

**Ingestion**

: Irritating to mouth, throat, and stomach.

**Symptoms related to the physical, chemical, and toxicological characteristics**

**Eye contact**

: Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

**Inhalation**

: Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
wheezing and breathing difficulties  
asthma

**Skin contact**

: Adverse symptoms may include the following:  
irritation  
redness

**Ingestion**

: No specific data

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short exposure**

**Potential immediate effects**

:N/Av

**Potential delayed effects**

:N/Av

**Long term exposure**

**Potential immediate effects**

:N/Av

**Potential delayed effects**

:N/Av

**Potential chronic effects**

**Conclusion/Summary**

: Contains isocyanates. May cause allergic reactions in certain individuals. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**General**

: Contains isocyanates. May cause allergic reactions in certain individuals. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

- Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects**  
: No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## SECTION 12 – ECOLOGICAL INFORMATION

**Environmental effects** : The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

**Important environmental characteristics**

: N/Av

**Ecotoxicological** : No data is available on the product itself. Information on components is listed below.

**Distillates (petroleum), hydrotreated light**

**Ecotoxicity**

LC50: 2.2 mg/l (Lepomis macrochirus), 96 h)

- Biodegradability** : No data available.  
**Bioaccumulative potential** : No data available.  
**Mobility in soil** : No data available.  
**PBT & vPvB assessment** : No data available.  
**Other adverse effects** : No data available.

**Methylene diphenyl diisocyanate (4,4'-MDI) (101-68-8)**

**Ecotoxicity**

LC50: > 500 mg/l (Zebra fish (Brachydanio rerio), 24 h)

EC50: > 500 mg/l (Water flea (Daphnia magna), 24 h)

- Biodegradability** : No data available.  
**Bioaccumulative potential** : No data available.  
**Mobility in soil** : No data available.  
**PBT & vPvB assessment** : No data available.  
**Other adverse effects** : No data available.

**Other Adverse Effects**

None reported.

## SECTION 13 – DISPOSAL CONSIDERATION

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



## SECTION 14 – TRANSPORTATION INFORMATION

	<b>DOT Classification</b>	<b>TDG Classification</b>	<b>Mexico Classification</b>	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN Number</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>UN Proper Shipping Name</b>	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap
<b>Transport Hazard Class</b>	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap
<b>Packing Group</b>	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap	N/Ap
<b>Environmental Hazards</b>	No	No	No	No	No	No
<b>Additional Information</b>	None	None	None	None	None	None

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: Not Available

## SECTION 15 – REGULATORY INFORMATION

U.S. Federal regulations

**TSCA 8(a) PAIR** : methylenediphenyl diisocyanate;  
4, 4'-methylenediphenyl diisocyanate

**TSCA 8(a) CDR Exempt/Partial exemption**  
: Not determined.

**United States inventory (TSCA 8b)**  
: All components are listed or exempted.

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)**

: Listed

**Clean Air Act Section 602 Class I Substances**

: Not listed

**Clean Air Act Section 602 Class II Substances**

: Not listed

**SARA 302/304**

**Composition/information on ingredients**

: No products were found.

**SARA 304 RQ** : Not applicable.

**SARA 311/312 Classification** : Immediate (acute) health hazard  
Delayed (chronic) health hazard

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Distillates (petroleum), hydrotreated light	1 – 5	Yes	No	No	No	No
Methylene diphenyl diisocyanate	1 – 5	No	No	No	Yes	Yes

SARA 313

	Chemical Name	CAS No.	%
Form R – Reporting requirements	4,4'-methylenediphenyl diisocyanate	101-68-8	1 - 5
Supplier notification	4,4'-methylenediphenyl diisocyanate	101-68-8	1 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

**State Regulations** : The following components are listed:  
**Massachusetts** : METHYLENE BISPHENYL ISOCYANATE (MDI)  
**New York** : METHYLENE DIPHENYL DIISOCYANATE  
**New Jersey** : DIISOCYANATES; METHYLENE BISPHENYL ISOCYANATE; BENZENE, 1,1'-METHYLENEBIS[4-ISOCYANATO-]  
**Pennsylvania** : SOYBEAN OIL; BENZENE, 1,1'-METHYLENEBIS[4-ISOCYANATO-]

**California Proposition 65** : Not Applicable.

Canada

Canadian Lists

Canadian NPRI : The following components are listed:  
 Distillates (petroleum), hydrotreated light  
 Methylene-bis(phenyl isocyanate)

CEPA Toxic Substances : None of the components are listed.

Canada Inventory: All components are listed or exempted.

**This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations. This SDS contains all the information required by the HPR.**

## SECTION 16 – OTHER INFORMATION

**HMIS Rating** : \* - Chronic Hazard 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe  
*Health: \*2 Flammability 1 Physical Hazard 0*

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.**

**The customer is responsible for determining the PPE code for this material.**

**NFPA Rating** 0 - Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe  
*Health: 2 Flammability 1 Reactivity 0 Special Hazards 0*

**Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.**

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL 73/78 = International Convention for the Prevention of Pollution From

Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations

#### **Disclaimer of Liability**

The Information presented herein is supplied as a guide to those who handle or use this product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive. The manner and conditions of use and handling may involve other and additional considerations. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

No warranty of any kind is given or implied. The W.W. Henry Company will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information contained herein.

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**Revision date:** : 14-Jun-2015

**End of Document**