

SAFETY DATA SHEET

FOR INDUSTRIAL USE ONLY

EPOXY RESIN (AQUA CLEAR COMP B)

Section 1. Product and company identification

Product identifier: EPOXY ResinMSDS Number: K144AProduct type: Epoxy Resin

Supplier : M R F, Inc dba Master Pack

32302 Camino Capistrano Suite 201

San Juan Capistrano, CA

92675 USA

Contact person : sales@masterpkg.com

Telephone : For additional health and safety or regulatory information, call

1 888 443 9466.

Emergency telephone number : For Emergency Medical Assistance

Call Health & Safety Information Services

1-866-303-6949

For Emergency Transportation Information CHEMTREC US Domestic (800) 424-9300 CHEMTREC International (703) 527-3887 CANUTEC CA Domestic (613) 996-6666

Section 2. Hazards identification

Classification of the substance or

mixture

SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

SKIN SENSITIZATION - Category 1

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

[Respiratory tract irritation] - Category 3

GHS label elements

Hazard pictograms

(1)

Signal word

gnar word : warning

Hazard statements : H315 Causes skin irritation.

H319 Causes serious eye irritation.H317 May cause an allergic skin reaction.H335 May cause respiratory irritation.

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 2/14

Precautionary statements

General : Not applicable.

Prevention : Wear protective gloves.

Wear eye or face protection.

Use only outdoors or in a well-ventilated area.

Avoid breathing vapor.

Wash hands thoroughly after handling.

Contaminated work clothing should not be allowed out of the

workplace.

Response : 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 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.

Other hazards which do not result

in classification

None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	% by weight	CAS
		number
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	70 - 90	25068-38-6
Oxirane, Mono[(C12-14-alkyloxy)methyl] Derivs.	20 - 25	68609-97-2

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.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 3/14

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the

Inhalation

Skin contact

Ingestion

upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

- 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.
- 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.
- 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 if adverse health effects persist or are severe. 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.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

No specific treatment.

Protection of first aid personnel

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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media Use an extinguishing agent suitable for the surrounding fire.

None known.

Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 4/14

Hazardous thermal decomposition products Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds

Special protective actions for firefighters

Special protective equipment 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.

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. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, 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 of SDS). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see section 8 of

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 5/14

SDS). Persons with a history of skin sensitization problems 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 ingest. Avoid breathing vapor or mist. 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

Advice on general occupational hygiene

- can be hazardous. Do not reuse container.
- 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 of SDS) 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/personal protection

Control parameters

Occupational exposure limits

None.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Appropriate engineering controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, 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

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 6/14

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

: 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

Appearance

Physical state : Liquid Color : Yellow

Odor: Not availableOdor threshold: Not availablepH: Not availableMelting point/ Freezing point: Not availableBoiling point: Not available

Flash point : Seta flash Closed Cup: 93.33 °C (199.99 °F) (ASTM D 3828)

Burning time: Not availableBurning rate: Not availableEvaporation rate: Not availableFlammability (solid, gas): Not available

Lower and upper explosive : Lower: Not available (flammable) limits : Upper: Not available

Vapor pressure : 1.33 mbar

Vapor density : 1 [Air = 1]

Relative density : 1.1

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 7/14

Solubility : Not available Solubility in water : Slightly

Partition coefficient: n- : Not available

octanol/water

Auto-ignition temperature: Not availableDecomposition temperature: Not availableSADT: Not available

Viscosity : Dynamic: Not available

Kinematic: Not available

Other information

No additional information.

Section 10. Stability and reactivity

Reactivity : Stable under normal conditions.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will

not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Extremes of

temperature and direct sunlight. Surfaces that are sufficiently hot may

ignite even liquid product in the absence of sparks or flame.

Incompatible materials : Reactive or incompatible with the following materials:

strong oxidizing agents,

strong acids, aliphatic amines,

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition

products should not be produced.

Other hazards Heating this substance above 300 deg. F in the presence of air may

cause slow oxidative decomposition; above 500 deg. F polymerization

may occur.

Some combinations of resins and curing agents can produce exothermic reactions which in large masses can cause runaway

polymerization and charring of the reactants

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer				
	LD50 Oral	Rat	11,400 mg/kg	-
	LD50 Dermal	Rat	2,000 mg/kg	-
Oxirane, Mono[(C12-14-alkyloxy)methyl] Derivs.				

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page:8/14

	LD50 Oral	Rat	17,100 mg/kg	-
Conclusion/Summary	: Not	available		

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
4,4'-Isopropylidenediphenol-	Skin -	Rabbit	1.5 - 2		-
Epichlorohydrin Copolymer	Erythema/E schar 404				
	Acute				
	Dermal				
	Irritation/Co				
	rrosion				
	Skin -	Rabbit	1.0 - 1.5		-
	Edema 404				

1	I A4	ı	İ	ı	ı
	Acute				
	Dermal				
	Irritation/Co				
	rrosion				
	eyes 405	Rabbit	0		-
	Acute Eye				
	Irritation/Co				
	rrosion				
	eyes -	Rabbit	0.7		-
	Redness of				
	the				
	conjunctiva				
	e				
	Skin -	Rabbit		24 hrs	
	Moderate	Kabbit		24 1118	-
	irritant				
	Skin -	Rabbit		24.1	
		Rabbit		24 hrs	-
	Severe				
	irritant				
	eyes - Mild	Rabbit			-
	irritant				
Oxirane, Mono[(C12-14-	Skin -	Rabbit	4.1	24 hrs	72 hrs
alkyloxy)methyl] Derivs.	Primary				
	dermal				
	irritation				
	index				
	(PDII) OTS				
	798.4470				
	Acute				
	Dermal				
	Irritation				
	Skin -	Rabbit	5.75	24 hrs	72 hrs
	Primary	Kaoon	3.73	27 1115	/2 ms
	dermal				
	irritation				
	index				
	(PDII) 404				
	Acute				
	Dermal				
	Irritation/Co				

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 9/14

rrosion				
eyes - Cornea opacity 405 Acute Eye Irritation/Co	Rabbit	2		1 - 24 hrs
Skin - Moderate irritant	Rabbit		24 hrs	-

Conclusion/Summary

Skin:Not availableeyes:Not availableRespiratory:Not available

Sensitization

Conclusion/Summary

Skin Not available Respiratory Not available

Mutagenicity

Conclusion/Summary Not available

Carcinogenicity

Conclusion/Summary Not available

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
4,4'-	-	-	-	-	-	-
Isopropylidenediphenol						
-Epichlorohydrin						
Copolymer						
Remarks:	No adverse reproductive effects were observed in an O.E.C.D. Test Guideline no. 416 GLP two-generation rat oral gavage study conducted up to a high dose level of 750 mg/kg/day that resulted in adult body weight decrements.					

Conclusion/Summary Not available

Teratogenicity

Conclusion/Summary Not available

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
4,4'-Isopropylidenediphenol-	Category 3		Respiratory tract irritation
Epichlorohydrin Copolymer			
Oxirane, Mono[(C12-14-	Category 3		Respiratory tract irritation
alkyloxy)methyl] Derivs.			

Specific target organ toxicity (repeated exposure)

Not available

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

Page: 10/14 EPOXY Resin

Aspiration hazard

Not available

Information on the likely routes of : Not available

exposure

Potential acute health effects

Eye contact Causes serious eye irritation. Inhalation May cause respiratory irritation.

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

Adverse symptoms may include the following: Eye contact

pain or irritation

watering redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

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 term exposure

Potential immediate effects: Not availablePotential delayed effects: Not available

Long term exposure

Potential immediate effects: Not availablePotential delayed effects: Not available

Potential chronic health effects

Conclusion/Summary : Not available

General : 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.

Numerical measures of toxicity

Acute toxicity estimates

Not available

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 11/14

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
reaction product: bisphenol-A-(e	pichlorhydrin); epoxy resin (number averag	e molecular weight ≤ 700)	
	Acute LC50 1.3 mg/l - 203 Fish, Acute	Fish - Fish	96 h
	Toxicity Test		
	Acute EC50 2.1 mg/l - 202 Daphnia	Aquatic invertebrates.	48 h
	sp. Acute Immobilization Test and	Water flea	
	Reproduction Test		
	Acute NOEC 0.3 mg/l - 211 Daphnia	Aquatic invertebrates.	21 d
	Magna Reproduction Test	Water flea	
	Acute LC50 $> 11 \text{ mg/l}$ -	Aquatic plants - Algae	72 h
oxirane, mono[(C12-14-alkyloxy	methyl] derivs.		
	Acute LC50 $> 1.8 \text{ g/l} - 203 \text{ Fish, Acute}$	Fish - Rainbow	96 h
	Toxicity Test	trout,donaldson trout	
	Acute LC50 $>$ 5.0 g/l - 203 Fish, Acute	Fish - Bluegill	96 h
	Toxicity Test		

Acute EC50 7.2 mg/l - 202 Daphnia sp. Acute Immobilization Test and Reproduction Test	Aquatic invertebrates. Water flea	48 h
Acute EC50 844 mg/l - 201 Alga,	Aquatic plants - Algae	72 h
Growth Inhibition Test		

Conclusion/Summary : Not available

Persistence/degradability

Conclusion/Summary : Not available

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
4,4'-Isopropylidenediphenol-	2.64 - 3.78	3 - 31 31.00	low
Epichlorohydrin Copolymer			
Oxirane, Mono[(C12-14-	3.77	160 - 263 160.00	low
alkyloxy)methyl] Derivs.			

Mobility in soil

Soil/water partition coefficient

(KOC)

: Not available

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 12/14

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. Transport information

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

International transport regulations

Regulatory	UN/NA	Proper shipping name	Classes/*PG	Reportable
information	number			Quantity (RQ)

CFR Non-regulated

TDG Non-regulated

IMO/IMDG Non-regulated

Non-regulated IATA (Cargo)

*PG: Packing group

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.'

Section 15. Regulatory information

United States

U.S. Federal regulations

United States - TSCA 12(b) - Chemical export notification: None

United States - TSCA 5(a)2 - Final significant new use rules: Not listed United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed

United States - TSCA 5(e) - Substances consent order: Not listed SARA 302 Extremely Hazardous Substances: None required. SARA 302/304/311/312 hazardous chemicals: None required.

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 13/14

SARA 302/304

Composition/information on ingredients

Name	EHS
Oxirane, 2-(chloromethyl)-	Yes.

California Prop. 65:

:WARNING: This product contains less than 0.1% of a chemical known to the State of California to cause cancer., WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Oxirane, 2-(phenoxymethyl)-	Yes.	No.	5 μg/day	No.
Oxirane, 2-(chloromethyl)-	Yes.	Yes.	9 μg/day	No.

United States inventory (TSCA: All components are listed or exempted.

8b)

Canada

WHMIS (Canada) :Class D-2B: Material causing other toxic effects (Toxic).

Canadian lists

Canadian NPRI None required.

CEPA Toxic substances None required.

International regulations

International lists : Australia inventory (AICS): All components are listed or exempted.

> **Canada inventory:** All components are listed or exempted. **Japan inventory:** All components are listed or exempted.

China inventory (IECSC): All components are listed or exempted.

Korea inventory: All components are listed or exempted.

New Zealand Inventory (NZIoC): All components are listed or exempted. Philippines inventory (PICCS): All components are listed or exempted. United States inventory (TSCA 8b): All components are listed or exempted.

Taiwan inventory (CSNN): All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System III (U.S.A.):

Health	*	2		
Flammability		1		
Physical hazards		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 MSDSs under 29 CFR

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012

EPOXY Resin Page: 14/14

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.

Full text of abbreviated H : Not applicable.

statements

History

Date of printing 02/09/2015 Date of issue/Date of revision 02/04/2015 Date of previous issue 03/08/2012

Version 22.0

Prepared by Product Safety Stewardship 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) RID = The Regulations concerning the International Carriage of Dangerous Goods by

Rail

UN = United Nations

References Not available

Notice to reader

The information provided herein was believed by Master Pack to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Master Pack are subject to Master Pack's terms and conditions of sale. MASTER PACK MAKES NO WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY MASTER PACK, except that the product shall conform to Master Pack's specifications. Nothing contained herein constitutes an offer for the sale of any product.

Version: 22.0 Date of issue/Date of revision: 02/04/2015 Date of previous issue: 03/08/2012