

8 Conara Road, Kunda Park, 4556 Queensland Australia.

Phone: (07) 5211 0031 Email: info@planetnails.com.au

MATERIAL SAFETY DATA SHEET

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SECTION 1. IDENTIFICATION

GHS product identifier:	Sticky Bond
Other means of identification:	Not available
Product code:	Sticky Bond
Product type:	Liquid
Relevant identified uses of the substance or mixture and uses advised against:	Not applicable.
Supplier's details:	Planet Nails Distribution Pty Ltd 8 Conara Road, Kunda Park, 4556 Queensland Australia
Emergency telephone number (with hours of operation)	0752110031
Issue Date:	01/07/2020

SECTION 2. HAZARDS IDENTIFICATION

OSHA/HCS status:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	
Classification of the substance or mixture:	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 TOXIC TO REPRODUCTION (Fertility) - Category 2 Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity: 95.4% Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity: 97.3% Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity: 97.3%	
GHS label elements		
Hazard pictograms:		
Signal word:	Danger	
Hazard statements:	Highly flammable liquid and vapor. Causes serious eye irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness.	
PRECAUTIONARY STATEMENTS		



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Prevention:	sources. No smoking. Use explosion proof electrical, ventilating, lighting and all material-handling equipment. Use only nonsparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapor.
	Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. 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. Store in a well-ventilated place. Keep cool.
Disposal:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards not otherwise classified:	None known

Substance/mixture: Mixture		
Other means of identification: Not available		
CAS number/other identifiers		
CAS number: Not available		

Ingredient name	CAS number	EC number	INCI Name	%
ethyl acetate	141-78-6	205-500-4	ETHYL ACETATE	≥75 - ≤90
2-hydroxyethyl methacrylate	868-77-9	212-782-2	HEMA	<10



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Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Che for and remove any contact lenses. Continue to ring for at least 10 minutes. Get medical attention. Remove victim to fresh air and keep at rest in a post comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personned may be dangerous to the person providing aid to go mouth-to-mouth resuscitation. Get medical attention adverse health effects persist or are severe. If unconscious, place in recovery position and get meattention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Wash with plenty of soap and water. Remove	sition thing el. It ive ion if
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Inhalation: mouth-to-mouth resuscitation. Get medical attent adverse health effects persist or are severe. If unconscious, place in recovery position and get mattention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	ion if
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Loosen tight clothing such as a collar, tie, belt or waistband.	
waistband.	
Wash with plenty of soap and water Remove	
contaminated clothing and	
shoes. Wash contaminated clothing thoroughly wi	
Skin contact: water before removing it, or wear gloves. Continu	
rinse for at least 10 minutes. Get medical attention	
the event of any complaints or symptoms, avoid fu	
exposure. Wash clothing before reuse. Clean shoe	,
thoroughly before reuse Wash out mouth with water. Remove dentures if a	
Remove victim to fresh air and keep at rest in a po	•
comfortable for breathing. If material has been	SILIOII
swallowed and the exposed person is conscious, g	VA
small quantities of water to drink. Stop if the expo	
person feels sick as vomiting may be dangerous. D	
Ingestion: induce vomiting unless directed to do so by medic	
personnel. If vomiting occurs, the head should be	
low so that vomit does not enter the lungs. Get me	-
attention if adverse health effects persist or are se	
Never give anything by mouth to an unconscious	-
person. If unconscious, place in recovery position	and
get medical attention immediately. Maintain an o	



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airway. Loosen tight clothing such as a collar, tie, belt or
waistband



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Most important symptoms/effects, acute and delayed		
Potential acute health effects		
Eye contact:	Causes serious eye irritation	
Inhalation:	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.	
Skin contact:	May cause an allergic skin reaction.	
Ingestion:	Can cause central nervous system (CNS) depression.	
Over-exposure signs/symptoms		
Eye contact:	Adverse symptoms may include the following: pain or irritation watering redness	
Inhalation:	Adverse symptoms may include the following: Suspected of damaging fertility.	
Skin contact:	Adverse symptoms may include the following: Suspected of damaging fertility. redness irritation	
Ingestion:	Adverse symptoms may include the following: Suspected of damaging fertility.	
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-aiders:	No action shall be taken involving any personal risk or without suitable training. 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:	Use dry chemical, CO₂, water spray (fog) or foam.
Unsuitable extinguishing media:	Do not use water jet.
Specific hazards arising from the chemical:	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.



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Hazardous thermal decomposition products:	Decomposition products may include the following materials: carbon dioxide carbon monoxide
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 specialised 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 nonemergency 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 o	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	



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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 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. 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:

Shield UV light sources. Store between the following temperatures: 13 to 27°C (55.4 to 80.6°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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



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containers. Use appropriate containment to avoid

environmental contamination.	
SECTION 8. EXPOSURE CON	TROLS/PERSONAL PROTECTION
Control paramet	ters Occupational exposure limits
Ingredient name Exposure limits	
ethyl acetate 2-hydroxyethyl methacrylate	ACGIH TLV (United States, 3/2017). TWA: 400 ppm 8 hours. TWA: 1440 mg/m³ 8 hours. OSHA PEL 1989 (United States, 3/1989). TWA: 400 ppm 8 hours. TWA: 1400 mg/m³ 8 hours. NIOSH REL (United States, 10/2016). TWA: 400 ppm 10 hours. TWA: 1400 mg/m³ 10 hours. OSHA PEL (United States, 6/2016). TWA: 400 ppm 8 hours. TWA: 1400 mg/m³ 8 hours. None.
Appropriate engineering controls	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.



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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 pro	otection
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:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE		
Physical state:	Liquid.	
Color:	Colorless.	
Odor:	Ester.	
pH:	Not available	
Melting point:	Not available.	



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Boiling point: 77.1°C (170.8°F)

Flash point: Closed cup: -3.3°C (26.1°F) [Tagliabue.]

Lower and upper explosive (flammable) limits:

Vapor pressure:

Vapor density:

Relative density:

Lower: 0.04%

Not available

1 [Air = 1]

0.94

Solubility: Insoluble in : cold water and hot water.

Solubility in water: Not available. Partition coefficient: noctanol/ water: Not available.

Auto-ignition temperature: 750 to 900°C (1382 to 1652°F).

Viscosity: Dynamic (room temperature): 15 mPa·s (15 cP)

Flow time (ISO 2431): Not available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability:	The product is stable.
Possibility of hazardous reactions:	Hazardous reactions or instability may occur under certain conditions of storage or use.
Conditions to avoid:	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials:	Reactive or incompatible with the following materials: oxidizing materials
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ethyl acetate 2-hydroxyethyl methacrylate	LD50 OralLD50 Oral		5620 mg/kg 5050 mg/kg		

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
ethyl acetate	Category 3	Not applicable.	Narcotic effects



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Information on toxicological effects	
Information on the likely routes of exposure	Not available
Potential a	cute health effects
Eye contact:	Causes serious eye irritation.
Inhalation:	Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.
Skin contact:	May cause an allergic skin reaction.
Ingestion:	Can cause central nervous system (CNS) depression.
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: nausea or vomiting headache dizziness/vertigo drowsiness/fatigue unconsciousness
Skin contact:	Adverse symptoms may include the following: Irritation Redness irritation
Ingestion:	No specific data.
Delayed and immediate effects and also chronic effe	ects from short and long term exposure Short term exposure
Short term exposure	· · · · · · · · · · · · · · · · · · ·
Potential immediate Effects	Not available.
Potential delayed effects:	Not available.
Long term exposure	
Potential immediate effects:	Not available.
Potential delayed effects:	Not available.
Potential chronic health effects	Not available.
General:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
Carcinogenicity:	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
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.



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Numerical measures of toxicity Acute toxicity estimates

Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Product/ingredient name	Result	Species	Exposure
ethyl acetate	Acute EC50 2500000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute LC50 750000 µg/l Fresh water	Crustaceans - Gammarus	48 hours
	Acute LC50 154000 µg/l Fresh water	pulex Daphnia - Daphnia	48 hours
	Acute LC50 212500 µg/l Fresh water	cucullata Fish -	96 hours
	Chronic NOEC 2400 µg/l Fresh water	Heteropneustes fossilis	21 days
	Chronic NOEC 75.6 mg/l Fresh water	Daphnia - Daphnia magna	32 days
2-hydroxyethyl methacrylate		Fish - Pimephales promelas	
	Acute LC50 227000 µg/l Fresh water	-Embryo	96 hours
		Fish - Pimephales promelas	
		- Juvenile (Fledgling,	
		Hatchling,Weanling)	

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
ethyl acetate	0.68	30	low
2-hydroxyethyl methacrylate	0.42	-	low

Mobility in soil

Soil/water partition coefficient (KOC) : Not available.

Other adverse effects : No known significant effects or critical hazards.

SECTION 13. DISPOSAL CONSIDERATIONS

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.



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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.

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS#	Status	Reference number
Ethyl acetate (I); Acetic acid ethyl ester (I)	-	Listed	U112

SECTION 14. TRANSPORT INFORMATION

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	UN1993	UN1993	UN1993	UN1993	UN1993	UN1993
UN proper shipping name	FLAMMABLE LIQUIDS, N.O. S. (ethyl acetate)					
Transport hazard class(es)	3	3	3	3	3	3
Packing group	II	II	II	II	II	П
Environmental hazards	No.	No.	No.	No.	No.	No.



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Additional information	
DOT Classification	Reportable quantity 6097.6 lbs / 2768.3 kg [777.98 gal / 2945 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
TDG Classification	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).
ADR/RID	Special provisions 640 (C) Tunnel code (D/E)
IMDG	Emergency schedules 307
IATA	Special provisions A3
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:	Not listed
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs):	Not listed
Clean Air Act Section 602 Class I Substances:	Not listed
Clean Air Act Section 602 Class II Substances:	Not listed
DEA List I Chemicals (Precursor Chemicals):	Not listed
DEA List II Chemicals (Essential Chemicals):	Not listed
SARA 302/304 Composition/information on ingredients	No products were found.
SARA 304 RQ:	Not applicable.
SARA 311/312 Classification:	FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3



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Composition/information on ingredients

Name	%	Classification
ethyl acetate 2-hydroxyethyl methacrylate	≥75 - ≤90 <10	FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1

State regulations

Massachusetts	None of the components are listed.	
New York	None of the components are listed.	
New Jersey	None of the components are listed.	
Pennsylvania	None of the components are listed.	
Canada inventory	All components are listed or exempted.	

International regulations

Chemical Weapons Convention List Schedule I Chemicals : Not listed

Chemical Weapons Convention List Schedule II Chemicals: Not listed

Chemical Weapons Convention List Schedule III Chemicals: Not listed

Inventory list

Australia: All components are listed or exempted.
Canada: All components are listed or exempted.
China: All components are listed or exempted.
Europe: All components are listed or exempted.

Japan : Japan inventory (ENCS): All components are listed or exempted.

Japan inventory (ISHL): Not determined.

Malaysia: Not determined.

New Zealand : All components are listed or exempted.
Philippines : All components are listed or exempted.
Republic of Korea : All components are listed or exempted.
Taiwan : All components are listed or exempted.

Thailand: Not determined. Turkey: Not determined.



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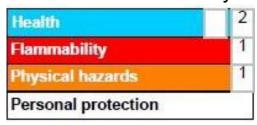
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United States: All components are listed or exempted.

Viet Nam: Not determined.

SECTION 16. OTHER INFORMATION

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



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

National Fire Protection Association (U.S.A.)



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History

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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



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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

References

Indicates information that has changed from previously issued version.

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