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Revision5

First Edition : 2001/08/02

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name	P. I. BOND PI-3300
Supplier	P. T. POLY OSHKA
Address	JI. Raya Kebayoran Lama, NO. 19H Jakarta 12220, Indonesia
Phone Number	62-21-722-5304
Emergency Contact	81-3-5916-8845(Oshika Corporation, International Business Gr.)
Application and Restriction	Adhesive for laminated lumber
Document Number (SDS-ID)	SDS-2050

2. HAZARD IDENTIFICATION

GHS Hazard Class and Category :	Not applicable
Pictograms (or Hazard Symbols) :	None
Signal Word :	None
Hazard Statements :	None(no result in GHS classification)
Precautionary Statements :	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep out of reach of children. If you feel unwell, get medical examination/ medical aid. Store between 5-35°C. Protect from sunlight. Keep container tightly closed. Do not freeze. Disposal of contents and container should be done in compliance with the law and regulations concerned and the rules of the local government of the country. When entrust disposal of waste to professionals, inform them danger and hazardous property appropriately.
Information on GHS Classification :	GHS classification has been based on "JIS Z 7252:2019" and "Globally Harmonized System of Classification and Labelling of Chemicals (GHS) sixth revised edition". The hazard class classified as "Not applicable", "Not classified" and "Classification not possible" has not been indicated on this SDS.
Ingredients with Unknown Toxicity :	It is unknown hazardous to the aquatic environment for 49% component of this compound. Organic Polymer Compounds, Inorganic filler

3. COMPOSITION/INFORMATION ON INGREDIENTS

Category of Composition :	Mixture
Ingredients :	

Ingredient	% by Wt.	CAS No.
Organic Polymer Compounds	Non-disclosure	Listed
Inorganic filler	Non-disclosure	Listed
Water	45~49	7732-18-5

4. FIRST-AID MEASURES

Inhalation :	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately get medical advise/attention.
Skin Contact :	If there is a change of appearance or skin irritation or rash occurs, or if you feel unwell: Get medical advise/attention. Wipe the excess product out with clean clothes. Remove/Take off immediately all contaminated clothing.
Eye Contact :	Immediately get medical advise/attention. Remove, when you are wearing the contact lens and you can remove easily. Also after that, continue washing. Rinse eyes with plenty of water for at least 15 minutes. Hold eyelids away from eyeball to ensure thorough rinsing. Remove contact lenses, if present and easy to do and continue rinsing. Do not induce opening eyes, if difficult to do. Get medical advise/ attention as soon as possible.
Ingestion :	If vomit, open airway. Observe the patient carefully. If conscious, immediately rise mouth with water. Never give anything by mouth to a drowsy, weakness or unconscious person.
Expected immediate and delayed symptoms :	None known / No data.
Most Important Symptoms/Effects :	None known / No data.
Precautions for First-aid Responder :	First-aid responders should pay attention not to contact materials on skin/in eyes.
Notes to Physician :	None known / No data.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media :	Foam. Water. Wet Chemical (potassium acetate, carbonate, or citrate). Dry chemical. Halon.
Inappropriate Extinguishing Media :	None known / No data.
Specific Hazards :	This product is not flammable, however the dry residue is flammable.
Fire Fighting Procedures :	Move containers from fire area if possible. Get rid of those made in the ignition source in the vicinity as soon as possible, so that fire does not spread. Prohibit the entry except the person concerned around the fire scene. Combat fire from the windward. Cool down the tanks and buildings around by water spray in order to avoid expansion of fire.
Special Protective Actions for Fire-Fighters:	Wear suitable protective equipments. Combat fire from the windward, wear respiratory protective equipment that can support so as not to breathe generated gas and smoke. In the case of indoor, ventilate the room enough until treatment is over. Put a rope until the product inside cools off after fire extinguishing and prohibit the entry.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions :	Wear suitable protective equipments. Rope off the leaking area for persons not to enter. Evacuate from the leaking area to downwind. Combat fire from the windward. Wash face and hands after use.
Protective Equipment and Emergency Procedures :	Avoid breathing vapors. Avoid contact with skin. If needed, use personal protective equipment e.g. breathing protection, protective clothing, protective gloves, rubber boots, safety spectacles, etc.. Prevent the inflow drains, sewers, basements, or closed to the location.
Environmental Precautions :	Do not let this chemical enter the environment(waters, soil). If flow into river or lake, immediately contact to the police station, fire station, the waterworks bureau, the health center, the department of environmental pollution in local, the agricultural cooperative association and the fishermen's cooperative association etc.. When large quantity was spilled, dike the area with soil or e.t.c. to prevent an outflow to the drainage and process it at a place safe as possible for disposal or recovery.
Recovery and Neutralization Techniques :	Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in soil, sand, diatomite or inert absorbent and collect in sealable containers. Prevent the inflow drains, sewers, basements, or closed to the location. Cut off the leakage source and stop a leak, if not dangerous. When leaking, collect and prevent the spread promptly.
Methods and Materials for Containment and Cleaning up/Prevention of Secondary Accident:	Inform related posts/departments to require the assistance. Immediately remove all ignition sources/hot surfaces/combustible materials.

7. HANDLING AND STORAGE

Handling : Technical Measures :	Wear protective gloves, clothing and eyes/face protection. (Refer to section 8) Avoid tumble, drop, shock and friction. Wash hands and rinse mouth after use.
Ventilation Requirements :	Ventilation and emission are not needed in normal use.
Incompatible Materials and Mixtures :	Alkalies. Acids.
Storage :	
Safe Storage Conditions :	Protect from sunlight. Keep container tightly closed.
Appropriate technical measures:	Keep container tightly closed. Protect from sunlight. Store between 5-35°C.
Appropriate storage conditions:	Do not freeze.
Conditions to Avoid :	Alkalies. Acids.
Incompatible Materials and Mixtures :	
Container/Package :	
Appropriate Container/Package :	Stored in product containers. Use container without damage, corrosion or crack.
Inappropriate Container/Package :	None known / No data.
Work Hygienic Practices :	Use clean and effective personal protective equipments. Wash hands after use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits :	Not established.
Control Concentration on Japan ISHA :	Not established.
Engineering Controls :	Wear the following equipments for protection if necessary, depending on ventilation system, quantity and frequency of handling, working hours, processing method and e.t.c. Ventilation and emission are not needed in normal use.
Personal Protective Equipments :	
Respiratory Protection :	Not normally required.
Protective Gloves :	Cotton gloves. Chemical protective gloves (JIS T 8116). Impermeable protective gloves.
Eye Protection :	Glasses. Safety goggles. Safety spectacles (JIS T 8147) .
Skin and Body Protection :	Impervious long sleeves work clothes. Long sleeves work clothes. Protective long shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, shape) :	Viscous liquid.
Color :	White.
Odor :	Almost odorless.
Melting Point/Freezing Point :	Approx. 0°C
Boiling Point, Initial Boiling Point and Boiling Range :	Approx. 100°C
Flammability :	None known / No data.
Upper/Lower Flammability or Explosive Limits:	None
Flash Point :	None
Auto-Ignition Temperature :	None known / No data.
Decomposition Temperature :	None known / No data.
pH :	6.8
Viscosity :	10 Pa · s (23°C)
Dynamic viscosity :	None known / No data.
Solubility:	None known / No data.
n-octanol/water partition coefficient :	None known / No data.
Vapor Pressure :	None known / No data.
Specific Gravity (Relative Density) :	1.1~1.3 (23°C)
Relative gas density :	None known / No data.
Particle characteristics :	Not applicable.

10. STABILITY AND REACTIVITY

Reactive, Chemical stability :	May decompose or be separated after long term storage. May be precipitated after long term storage.
Possibility of Hazardous Reactions :	Reacts with acid/alkali and separate, forms or is precipitated. Stable under normal temperature conditions.
Conditions to Avoid :	Contact with incompatible materials. Direct sunshine. Temperature over 35°C or below freezing point.
Incompatible Materials :	Alkalies. Acids.
Hazardous Decomposition Products :	None known / No data.

11. TOXICOLOGICAL INFORMATION

Harmful effect division judgment of each component	None known.
Toxicological information for each component	
Acute Toxicity :	None known / No data.
Skin Corrosion/Irritation :	None known / No data.
Serious Eye Damage/Irritation :	None known / No data.
Respiratory or Skin Sensitization :	None known / No data.
Germ Cell Mutagenicity :	None known / No data.
Carcinogenicity:	None known / No data.
Reproductive Toxicity :	None known / No data.
Specific target organ toxicity, Single exposure :	None known / No data.
Specific target organ toxicity, Repeated exposure :	None known / No data.
Aspiration Hazard :	None known / No data.

12. ECOLOGICAL INFORMATION

Ecotoxicity	<Fish toxicity> Leakage of the waste water into the river and e.t.c. may cause the mortality of fish and other lives due to dyspnea by the resinous adhesion in emulsion.
Persistence and Degradability	None known / No data.
Bioaccumulative Potential	None known / No data.
Mobility in Soil	None known / No data.
Harmful to the ozone layer	None known / No data.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Disposal of contents and container should be done in compliance with the law and regulations concerned and the rules of the local government of the country.
Waste of chemical residues	When entrust disposal of waste to professionals, inform them danger and hazardous property appropriately.
Uncleaned containers and packagings	Disposal should be entrusted to person who has permission of governor of metropolis and districts of waste industry or to local government when they process leftover waste by themselves. When discard an empty container, dispose after having completely removed contents. Empty container or packings polluted should also be entrusted to person having permission of governor of metropolis and districts of waste industry as well.

14. TRANSPORT INFORMATION

Transport Information	Check for damage, corrode, and leak of container before transportation and that lid of container has been sealed certainly. Load without fall, drop, and damage and be sure to perform the procedure to prevent from dropping packages.
Japanese Regulations	
Ground transport	Follow the transport method determined by the Fire Service Act and the Industrial Safety and Health Act.
Marine transport	Follow the transport method determined by the Ship Safety Act.
Air transport	Follow the transport method determined by the Civil Aeronautics Act.
International regulation	
Marine transport	Follow the regulation of IMO and IMDG.
Air transport	Follow the regulation of ICAO and IATA.
UN No.	Not applicable.
UN Class	Not applicable.
UN Proper Shipping Name	Not applicable.
UN Packing Group	Not applicable.
Marine Pollutant	Not applicable.

15. REGULATORY INFORMATION

Japanese Regulations :	
Industrial Safety and Health Act :	
Article 57, Hazardous Chemical Substances and dangerous Chemical Substances need to display the name, etc.	Not applicable.
Article 57-2-1, Hazardous Chemical Substances and dangerous Chemical Substances need to inform the name, etc.	Not applicable.
Ordinance on Prevention of Organic Solvent Poisoning	Not applicable.
Disability Prevention Regulations of Specific Chemical Substances	Not applicable.
Listed of notification from the Ministry of Health, Labour and Welfare 312-2 (Mutagenicity)	Not applicable.
Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof	Not applicable.
The chemical substance classification specified in [Government ordinance which revises the part of the act on confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management There of] promulgated on March 30th 2008.	
Fire Service Act :	Non-Hazardous materials
Poisonous and Deleterious Substances Control Law :	Not applicable.
Ship Safety Law :	Not applicable.
Law Relating to Prevention of Marine Pollution and Maritime Disaster :	Harmful Liquid Substances to Marine Environment: "As type Z substances" [Mixture is classified based on the Order for Law Relating to Prevention of Marine Pollution and Maritime Disaster (The 201st, June 22, 1971 government ordinance) and (The 146th, the 147th, the 148th)]

16. OTHER INFORMATION

Formaldehyde Emission Class :	JAIA-002310 F☆☆☆☆ Voluntary Management Guidelines for Countering Indoor Air Pollution (Japan Adhesive Industry Association)
4VOC Emission Class(JAIA) :	JAIA-504248 4VOC Standard Conformity Voluntary Management Guidelines for Countering Indoor Air Pollution (Japan Adhesive Industry Association)
Limit of volatile organic compounds content in adhesive :	GB33372-2020 Conformity
References :	○"Dangerous materials, poison processing handling manual" [International Technical Information Institute] ○"Sachs toxic substance data book" [Maruzen] (1990) ○"Special document No. 62" [Japan Chemical Industry Ecology-Toxicology & Information Center] (1992) ○"Advices on the maximum permissible density and e.t.c." [Japan Society for Occupational Health] ○ "Chemicals in the workplace that you should know" [Japan Industrial Safety & Health Association] ○"Chemical danger and harmful Handbook" [Japan Industrial Safety & Health Association] ○"Work environment evaluation standard(the 26th notification)" [The Ministry of Labor] ○"Chemical disaster prevention guide" [The Chemical Society of Japan (Maruzen)] (1996.2.20) ○ National Institute of Technology and Evaluation(NITE), Chemical Risk Information Platform (CHRIP). ○Chemical unabridged dictionary ○Chemical manual, basic crochet ○SDS of raw materials ○"Dangerous article databook" ○"JIS Z 7252 : 2019 (Classification of chemical based on Globally Harmonized System of Classification and Labelling of Chemicals (GHS))" [Japanese Standards Association] ○Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Sixth revised edition[United Nations, 2011] ○"JIS Z 7253 : 2019 (Hazard communication of chemicals based on GHS-Labeling and Safety Data Sheet(SDS))" [Japanese Standards Association]
Notes on SDS :	The evaluation on hazards described in the SDS is not necessarily sufficient, therefore care must be taken when handling the product. The information on this SDS is the summary of the precautions for safety handling/storage of our product. Since we cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the content of how the user intends to handle and use the product in the workplace. The information on the SDS is based on our present knowledge or information obtained from sources that we believe to be accurate. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The SDS is subject to revision by amendment of regulations or acquiring the new informations.
The summary of changes on this revision :	Base on "JIS Z 7252:2019"and "JIS Z 7253:2019".