



SAFETY DATA SHEET
Tru-Bond PSA4500

1. Identification

Product identifier

Product name Tru-Bond PSA4500

Product number 18429, 18450, 18453

Recommended use of the chemical and restrictions on use

Application Adhesive.

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier

ITW Performance Polymers
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
mail@itwpp.com

Emergency telephone number

Emergency telephone +44(0)1235 239 670 (24h)

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H335

Environmental hazards Aquatic Chronic 2 - H411

Label elements

Pictogram



Signal word

Warning

Hazard statements

H315 Causes skin irritation.
H335 May cause respiratory irritation.
H361f Suspected of damaging fertility.
H411 Toxic to aquatic life with long lasting effects.

Tru-Bond PSA4500

Precautionary statements	P201 Obtain special instructions before use.
	P202 Do not handle until all safety precautions have been read and understood.
	P261 Avoid breathing vapor/ spray.
	P264 Wash contaminated skin thoroughly after handling.
	P271 Use only outdoors or in a well-ventilated area.
	P273 Avoid release to the environment.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P302+P352 If on skin: Wash with plenty of water.
	P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
	P308+P313 If exposed or concerned: Get medical advice/ attention.
	P312 Call a poison center/ doctor if you feel unwell.
	P321 Specific treatment (see medical advice on this label).
	P332+P313 If skin irritation occurs: Get medical advice/ attention.
	P362+P364 Take off contaminated clothing and wash it before reuse.
	P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.	
P405 Store locked up.	
P501 Dispose of contents/ container in accordance with national regulations.	

Contains Acrylate Monomer, Photoinitiator

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

Acrylate Monomer CAS number: 5888-33-5	10-30%
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Chronic 2 - H411	
Photoinitiator CAS number: 75980-60-8	<3%
Classification Skin Sens. 1 - H317 Repr. 2 - H361f Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

General information	Consult a physician for specific advice.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

Tru-Bond PSA4500

Ingestion	Get medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Continue to rinse for at least 15 minutes. Get medical attention.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide or dry powder. Do not use water, if avoidable.
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Special hazards arising from the substance or mixture

Specific hazards	Risk of explosion if heated.
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Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors. Containers close to fire should be removed or cooled with water. Cool containers exposed to flames with water until well after the fire is out.
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Special protective equipment for firefighters	Use air-supplied respirator, gloves and protective goggles.
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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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Methods and material for containment and cleaning up

Methods for cleaning up	Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.
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Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.
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7. Handling and storage

Precautions for safe handling

Usage precautions	Avoid contact with eyes. Good personal hygiene procedures should be implemented. Do not use in confined spaces without adequate ventilation and/or respirator. Provide adequate ventilation.
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Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep container tightly closed. Store away from incompatible materials (see Section 10).
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Tru-Bond PSA4500

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure Controls/personal protection

Ingredient comments No exposure limits known for ingredient(s).

Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation.

Eye/face protection The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with OSHA 1910.133.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation.

Other skin and body protection Wear apron or protective clothing in case of contact.

Hygiene measures Provide eyewash station and safety shower. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection If ventilation is inadequate, suitable respiratory protection must be worn. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Viscous liquid.
Color	Colorless to pale yellow.
Odor	Characteristic.
pH	pH (concentrated solution): Not Determined
Flash point	100°C SCC (Setaflash closed cup).
Evaporation rate	<1 (diethyl ether = 1)
Vapor pressure	0.01 mmHg @68 degree F @ °C
Vapor density	>1
Relative density	1.07 @ °C
Other information	Not available.
Volatile organic compound	This product contains a maximum VOC content of <0.5 .

Tru-Bond PSA4500

10. Stability and reactivity

Reactivity	Acids. Strong oxidizing agents. Strong alkalis. Strong reducing agents.
Stability	Stable at normal ambient temperatures and when used as recommended.
Possibility of hazardous reactions	May polymerize.
Conditions to avoid	Avoid contact with strong oxidizing agents. Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong oxidizing agents. Strong reducing agents. Strong alkalis. Strong acids.
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

11. Toxicological information

Information on toxicological effects

Inhalation	Vapors irritate the respiratory system. May cause coughing and difficulties in breathing.
Ingestion	Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.
Skin Contact	Irritating to skin. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	Irritation of eyes and mucous membranes.
Acute and chronic health hazards	Irritating to skin.
Route of entry	Skin and/or eye contact Ingestion. Inhalation
Target Organs	Eyes Respiratory system, lungs Skin
Medical Symptoms	Irritation of eyes and mucous membranes.

12. Ecological Information

Ecotoxicity	The product contains a substance which is harmful to aquatic organisms.
Toxicity	Not considered toxic to fish.
<u>Persistence and degradability</u>	
Persistence and degradability	There are no data on the degradability of this product.
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	No data available on bioaccumulation.
<u>Mobility in soil</u>	
Mobility	Not considered mobile.
<u>Other adverse effects</u>	
Other adverse effects	Not available.

13. Disposal considerations

Tru-Bond PSA4500

Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

Not applicable.

UN No. (TDG) 3082

UN No. (DOT) 3082

UN proper shipping name

Not applicable.

Proper shipping name (TDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALIPHATIC URETHANE ACRYLATE, Acrylate Monomer)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALIPHATIC URETHANE ACRYLATE, Acrylate Monomer)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALIPHATIC URETHANE ACRYLATE, Acrylate Monomer)

Proper shipping name (DOT) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALIPHATIC URETHANE ACRYLATE, Acrylate Monomer)

Transport hazard class(es)

Transport labels

No transport warning sign required.

Packing group

Not applicable.

Environmental hazards

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

16. Other information

Revision date 4/4/2018

Revision 8

Tru-Bond PSA4500

Supersedes date	4/14/2016
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H361f Suspected of damaging fertility. H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.