TAP Poly-Weld Hardener SAFETY DATA SHEET

1. Identification

	TABB 1 14/11 11 1		
Product identifier	TAP Poly-Weld - Hardener		
Other means of identification Sku's	003307H, 003505H		
Recommended use	Not available.		
	Not available. None known.		
Recommended restrictions			
Manufacturer/Importer/Supplier Manufacturer			
	Advanced Adhesian Inc		
Company name Address	Advanced Adhesion Inc 8004 California Avenue Fair Oaks, CA 95628 United States		
Telephone	Customer Service	916-961-470	0
Website	www.mrstickys.com		
E-mail	info@mrstickys.com		
Contact person	EHS Department		-
Emergency phone number	CHEMTREC International	800-424-930 703-527-388	
2. Hazard(s) identification	1		
Physical hazards	Not classified.		
Health hazards	Acute toxicity, oral		Category 4
	Skin corrosion/irritation		Category 2
	Serious eye damage/eye irrita	ition	Category 2A
	Sensitization, skin		Category 1
Environmental hazards	Not classified.		
OSHA defined hazards	Not classified.		
Label elements			
Signal word	Warning		
Hazard statement	Harmful if swallowed. Harmful skin reaction. Causes serious		skin. Causes skin irritation. May cause an allergic
Precautionary statement			
Prevention	Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Wear eye/face protection. Wear protective gloves/protective clothing.		
Response	If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Specific treatment (see this label). Rinse mouth. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.		
Storage	Store away from incompatible	materials.	
Disposal	Not available.		
Hazard(s) not otherwise classified (HNOC)	None known.	None known.	
Supplemental information	% of the mixture consists of c	omponent(s) of	unknown acute oral toxicity. % of the mixture
_ · ·	consists of component(s) of u		

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
DINONYLPHENOL, BRANCHED		84962-08-3	10 - 30
1-(2-aminoethyl)piperazine		140-31-8	5 - 10
Triethylolamine Piperazine		102-71-6	5 - 10
Triethylenetetraamine (TETA)		110-85-0	1 - 5
		112-24-3	1 - 5
Other components below reportable level	S		> 30

Other components below reportable levels

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing. Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. For minor skin contact, avoid spreading material on unaffected skin.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
Most important symptoms/effects, acute and delayed	Irritation of eyes and mucous membranes. May cause allergic skin reaction.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash contaminated clothing before reuse.
5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.

Special protective equipment Self-contained breathing apparatus and full protective clothing must be worn in case of fire. and precautions for firefighters

Move containers from fire area if you can do so without risk.

No unusual fire or explosion hazards noted.

6. Accidental release measures

Fire fighting

equipment/instructions

General fire hazards

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.
Environmental precautions	Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage Precautions for safe handling	Do not get this material in contact with skin. Do not taste or swallow. Avoid contact with eyes.

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Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

8. Exposure controls/personal protection

US. ACGIH Threshold Limit			_
Components	Туре	Value	Form
Piperazine (CAS 110-85-0)	TWA	0.03 ppm	Inhalable fraction and vapor.
Triethylolamine (CAS 102-71-6)	TWA	5 mg/m3	
US. Workplace Environmen	tal Exposure Level (WEEL) Guides		
Components	Туре	Value	
Triethylenetetraamine (TETA) (CAS 112-24-3)	TWA	6 mg/m3	
		1 ppm	
ological limit values	No biological exposure limits noted for	or the ingredient(s).	
cposure guidelines	Occupational Exposure Limits are no	t relevant to the current physi	cal form of the product.
US WEEL Guides: Skin des	ignation		
Triethylenetetraamine (T	ETA) (CAS 112-24-3) Can b	e absorbed through the skin.	
opropriate engineering ontrols	Provide eyewash station.		
dividual protection measures	such as personal protective equipm	ent	
Eye/face protection	Wear eye/face protection. Wear safe	ty glasses with side shields (o	or goggles).
Skin protection			
Hand protection	Wear protective gloves.		
Other	Wear suitable protective clothing.		
Respiratory protection	In case of insufficient ventilation, wea	r suitable respiratory equipm	ent.
Thermal hazards	Wear appropriate thermal protective	clothing, when necessary.	
eneral hygiene onsiderations	When using, do not eat, drink or smo as washing after handling the materia wash work clothing and protective eq clothing should not be allowed out of	al and before eating, drinking, upment to remove contamination	and/or smoking. Routinely

9. Physical and chemical properties

Appearance	Paste.
Physical state	Solid.
Form	Paste.
Color	Amber
Odor	Ammoniacal.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	63.68 °F (17.6 °C) estimated
Initial boiling point and boiling range	432 °F (222.22 °C) estimated
Flash point	200.0 °F (93.3 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.

Explosive limit - upper (%)	Not available.
Vapor pressure	0.04 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	1.05 g/cm3 estimated
Flammability class	Combustible IIIB estimated
Specific gravity	1.05 estimated
10. Stability and reactivity	
Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.

Redetivity	The product o stable and non reading and normal conditions of doe, storage and italioport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Avoid temperatures exceeding the flash point.
Incompatible materials	Peroxides. Phenols.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Due to lack of data the classification is not possible.	
Skin contact	Harmful in contact with skin. May cause an allergic skin reaction.	
	Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.	
Eye contact	Causes serious eye irritation.	
Ingestion	Harmful if swallowed.	
Symptoms related to the physical, chemical and toxicological characteristics	Irritant effects.	
Information on toxicological effe	cts	
Acute toxicity	Harmful if swallowed. Harmful in contact with skin. May cause allergic skin reaction.	
Skin corrosion/irritation	Causes skin irritation.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory or skin sensitization		
Respiratory sensitization	Due to lack of data the classification is not possible.	
Skin sensitization	May cause an allergic skin reaction.	
	Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.	
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
Carcinogenicity	Due to lack of data the classification is not possible.	

IARC Monographs. Overall	Evaluation of Carcinogenicity
Triethylolamine (CAS 10 OSHA Specifically Regulate	2-71-6) 3 Not classifiable as to carcinogenicity to humans. ad Substances (29 CFR 1910.1001-1050)
Not listed.	
Reproductive toxicity	Due to lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to lack of data the classification is not possible.
Aspiration hazard	Due to lack of data the classification is not possible.
Chronic effects	May be harmful if absorbed through skin.
	Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

12. Ecological information

Ecotoxicity	Not expected to be harmful to aquatic organisms.	
Persistence and degradability	No data is available on the degradability of this product.	
Bioaccumulative potential	No data available for this product.	
Partition coefficient n-octan	ol / water (log Kow)	
Piperazine	-1.17	
Triethylolamine	-1	
Mobility in soil	Not available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Not issted. SARA 304 Emergency release notification Not regulated. SBAB Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Immediate Hazard - Yes Deleyed Hazard - No React/oity Hazard - React React/Oity Hazard - No React/Oit	
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ChinaInventory of Existing Chemical Substances in China (IECSC)EuropeEuropean Inventory of Existing Commercial Chemical	Yes
European Inventory of Existing Commercial Chemical	No
	Yes
Substances (EINECS)	No
European List of Notified Chemical Substances (ELINCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date	01-10-2015
Version #	01
HMIS® ratings	Health: 2 Flammability: 2 Physical hazard: 1
NFPA ratings	Health: 2 Flammability: 2 Instability: 1
Disclaimer	The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The 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, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.
Revision Information	Product and Company Identification: Product and Company Identification Physical & Chemical Properties: Multiple Properties Regulatory Information: United States GHS: Classification