

Franklin International MATERIAL SAFETY DATA SHEET

MSDS Name: TITEBOND LIQUID HIDE GLUE
MSDS Number: 5013
Version Number: 001
MSDS Date: 010396
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SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TITEBOND LIQUID HIDE GLUE
CAS Number: none
Hazard Rating: Health: 1 Fire: 0 Reactivity: 0

Company Identification: Franklin International
2020 Bruck Street
Columbus OH 43207

Contact: Franklin Technical Services
Telephone/Fax: (800) 877-4583 (614) 445-1493
Emergency Phone (24 Hour): Franklin Security
(614) 445-1300
Chemtrec (24 Hour): (800) 424-9300

Product Class: Protein dispersion
Product Code: 1103

Division: Construction Adhesives & Sealants

SECTION II - COMPOSITION, INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS Number	Percent
AMMONIUM THIOCYANATE	1762-95-4	8.30
DICYANDIAMIDE	461-58-5	3.70

OSHA PELs & ACGIH TLVs are listed in Section VIII where applicable.
All components of this product are listed on the TSCA inventory except
as exempted.

SECTION III - HAZARD IDENTIFICATION

NOTE:
Not applicable

EMERGENCY OVERVIEW:
An amber colored liquid with little odor. Non-flammable. Slippery in
the wet state.

ROUTES OF ENTRY:
INGESTION: No
SKIN: No
EYE: Yes

INGESTION:
No hazard expected based on the product formula.

SKIN:
Will not be absorbed through skin.

EYE:
Mildly irritating to eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
None expected in normal industrial use.

CARCINOGENICITY:
IARC: No
NTP: No
OSHA: No

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REPRODUCTIVE TOXICITY:
None anticipated based on product formula.

TARGET ORGANS:
None identified based on product formula.

SECTION IV - FIRST AID MEASURES

INHALATION:
Remove patient to fresh air.

INGESTION:
Call poison control center immediately. Follow their specific instructions. Do not induce vomiting. Aspiration into lungs may cause chemical pneumonitis.

SKIN:
Wash with soap and water. Contact a physician if irritation develops or persists.

EYE:
Hold eyelids apart and flush with plenty of water for at least 15 minutes. Seek medical attention.

SECTION V - FIRE-FIGHTING MEASURES

Flammability Class (OSHA) IIIIB
Flash Range: > 200 F Not Applicable
Setaflash
Explosive Range: Not applicable

HAZARDOUS COMBUSTION PRODUCTS:
Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this product.

SECTION VI - ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES:
Use suitable absorbent to dike the spill.

CLEAN-UP:
If possible pump liquid into an approved container or spread absorbent over spill and shovel (use non-sparking equipment) product/absorbent mixture into an approved container. If product has dried, scrape up and place in an approved container.

EMERGENCY MEASURES:
None required.

SECTION VII - HANDLING & STORAGE

HANDLING:
Wash hands before eating.

STORAGE:
Keep from freezing.

PRECAUTIONARY STATEMENT:
Not applicable

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

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	ACGIH TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
AMMONIUM THIOCYANATE	N/est	N/est	N/est	N/est	N/est
DICYANDIAMIDE	N/est	N/est	N/est	N/est	N/est

ENGINEERING CONTROLS:

Use local exhaust as needed to maintain occupational exposure limits.
Maintain standard plant ventilation.

OTHER:

Facilities storing or utilizing any chemical should be equipped with an eyewash facility and a safety shower.

RESPIRATORY PROTECTION:

Respiratory protection is not expected to be necessary under normal use. Follow requirements for respiratory protection in OSHA 1910.134.

EYE PROTECTION:

Wear splashproof safety eye protection if splashing or misting of product may occur.

SKIN PROTECTION:

Where repeated or prolonged contact can occur, wear impervious gloves.

SECTION IX - PHYSICAL & CHEMICAL PROPERTIES

Form: Liquid
Appearance/Color: Amber
Odor: Slight
Solubility (in water): Complete
pH Value: 6.5
Boiling Range: 212.°F
Evaporation Rate: Faster than n-Butyl Acetate
% Volatile: 48. %
Specific Gravity: 1.15
VOC (California Rule 1168): 0

SECTION X - STABILITY & REACTIVITY

Stability: This product is stable
Hazardous Polymerization: Hazardous polymerization will not occur

CONDITIONS TO AVOID:

High temperatures promote hydrolysis.

INCOMPATIBILITY:

Strong acids and strong bases

HAZARDOUS DECOMPOSITION PRODUCTS:

Not applicable

SECTION XI - TOXICOLOGICAL INFORMATION

Not applicable

SECTION XII - ECOLOGICAL INFORMATION

This formulation has not been tested for environmental effects.

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SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Disposal of this product must comply with all applicable federal, state and local regulations.

CONTAINER DISPOSAL:

Disposal of this container should comply with all applicable federal, state and local regulations.

SECTION XIV - TRANSPORT INFORMATION

UN Number	none
UN Pack Group	NA
UN Class	none
Emergency Storage	none
ICAO/IATA Class	Non-hazardous (* see note)
IMDG Class	Non-hazardous
Shipping Name	Non-hazardous

* Packaging is not approved for shipping by air. Please contact Franklin International for further information.

SECTION XV - REGULATORY INFORMATION

PENNSYLVANIA:

Hazardous components required to be listed at 1% or more:
ammonium thiocyanate; thiocyanic acid, ammonium salt; 1762-95-4
Non-hazardous components required to be listed at 3% or more:
dicyandiamide 461-58-5; hide glue 9007-34-5; water 7732-18-5

NEW JERSEY:

powdered hide glue 9007-34-5; water 7732-18-5; ammonium thiocyanate 1762-95-4; dicyandiamide 461-58-5; polyalkene glycol 9038-95-3

SECTION XVI - OTHER INFORMATION

REVISION SUMMARY:

MSDS revised to follow 16 section format.

DISCLAIMER:

While the information and recommendations set forth herein are believed to be accurate as of the data hereof, Franklin International makes no warranty, express or implied, with respect thereto and disclaims all liability from reliance thereon.