



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product name AP30 Web Series
Product name(s) covered See Section 16 for Product Names Covered.
MSDS name AP30
CAS number Mixture
Product use Hot Melt Adhesive Web
Generic description Polyamide Web Adhesive
Manufacturer Bostik, Inc.
211 Boston Street
Middleton, MA 01949 USA
24 hour emergency assistance Telephone: 1-800-227-0332
General assistance Telephone: 1-978-777-0100
MSDS assistance Telephone: 1-978-750-7208

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS #	Percent
Caprolactam	105-60-2	1 - 5

3. HAZARDS IDENTIFICATION

Emergency overview Extended contact with this material may cause irritation to the skin, eyes, and mucous membranes. Contact with molten material will cause thermal burns. Primary Routes of Exposure: eyes, skin, and inhalation.

Potential health effects

Skin Molten material will produce burns to skin areas.

Eyes HOT MOLTEN material can cause irreversible eye injury and burns. Contact with SOLID material may cause irritation with temporary redness with stinging and tearing.

Inhalation Inhalation of hot mist may cause respiratory irritation.

Ingestion Exposure is unlikely. This product can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Molten material will produce burns to the gastrointestinal tract.

Target organs None known for product as a whole.

Fire and explosion This product will not ignite under normal situations but can be ignited in the extreme heat associated with a fire. Vapors are lighter than air and should rise, accumulating in overhangs and ceilings. In a fire situation, exposed containers may build up pressure and burst explosively spewing hot material. Irritating and potentially harmful vapors may be released in a fire or spill situation.

4. FIRST AID MEASURES

First aid

Skin For contact with molten product, do not remove any material or clothing adhering to the skin. Flush the burned area immediately with large amounts of cold water. If it is possible, submerge the area in cold water. Immediately seek medical attention or contact a physician.

Eye If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately. See Notes to Physician.

Inhalation Remove to fresh air. Get medical attention immediately for a large dose exposure or if cough or other symptoms develop.

Ingestion If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions.

Notes to physician Burns should be treated as thermal burns. The material will come off as healing occurs, therefore, immediate removal from skin is not necessary, as it may cause additional harm to the skin.

5. FIRE FIGHTING MEASURES

Hazardous combustion products	Hazardous gases produced in a fire may include oxides of carbon and nitrogen and various hydrocarbons.
Extinguishing media	Use dry chemical, carbon dioxide, or foam. Do not use water on molten adhesive to avoid splattering and spreading of fire.
Dust explosion hazard	Static Discharge Hazard.
Sensitivity to mechanical impact	None Known
Sensitivity to static discharge	This product may retain a static electrical charge, which could produce a spark. Appropriate precautions should be taken prior to use.
Unusual fire & explosion hazards	Do not use water on molten adhesive to avoid splattering and spreading of fire. Should a spark occur near flammable vapors, or airborne dust mixtures, an explosion could occur resulting in injury or death. Appropriate precautions should be taken prior to use.
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.
Flash point	> 400 °F (> 204.4 °C)

6. ACCIDENTAL RELEASE MEASURES

Emergency action	Appropriate safety measures and protective equipment should be used. See Section 8. Dispose of as solid waste in compliance with local, state, and federal regulations.
Containment	Isolate spill area. Stop discharge if safe to do so. Pellet or chip spill: Collect and contain for salvage or disposal. Molten adhesive spill: Placard hot material, allow to cool and remove. Collect and contain for salvage or disposal. Stop material from contaminating soil or from entering sewers or water streams.
Reporting	See Federal reporting requirements listed in Section 15. We recommend you contact local authorities to determine if there may be other local reporting requirements.

7. HANDLING & STORAGE

For Commercial Use Only - Not Packaged or Labeled for Home Use!

Handling	Avoid contact with skin and eyes. Avoid contact with molten material. Wash hands thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, face shields, and gloves. Professionally launder contaminated clothing before re-use. Avoid breathing fumes if this product is used at high temperatures. Use this product with adequate ventilation.
Storage	Store in a clean, dry area. Keep containers closed.
Empty container precaution	Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	Use local exhaust ventilation when vapors, mists, or dusts are being generated. Suitable respiratory equipment should be used when insufficient ventilation or operational procedures demand it.
Eye protection	Wear goggles or safety glasses with side shields. Contact lenses should not be worn.
Skin and body protection	Cover as much of exposed skin as possible. Wear protective clothing that provides protection against skin exposure and thermal burns, including longsleeved protective shirt, long pants, work shoes/boots, hard hat, face shield, and long-cuffed, rubber, thermal insulating gloves.
Respiratory protection	None required where adequate ventilation conditions exist. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
General	Eye wash fountain and emergency showers should be readily available.
Exposure limits	
ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)	
Caprolactam	105-60-2 <u>5 mg/m3 TWA (inhalable fraction and vapor)</u>
NIOSH - Pocket Guide - TWAs	
Caprolactam	105-60-2 <u>1 mg/m3 TWA (dust); 0.22 ppm TWA (vapor); 1 mg/m3 TWA (vapor)</u>
OSHA - Vacated PELs - TWAs	
Caprolactam	105-60-2 <u>1 mg/m3 TWA (dust); 5 ppm TWA (vapor); 20 mg/m3 TWA (vapor)</u>

9. PHYSICAL & CHEMICAL PROPERTIES

pH	N/A
Density	1.2 g/cc
Odor	Slight
Physical state	Solid
Freeze protect	No

10. STABILITY & REACTIVITY

Hazardous reactions/decomposition products	If product is burned carbon monoxide, carbon dioxide, acetic acid, vinyl acetate, and other unknown products may be produced.
Hazardous polymerization	Will not occur.
Conditions to avoid	Do not add water or other volatile material to molten adhesive. Avoid excessive overheating. Avoid potential static charge.
Stability	Stable under normal conditions. Avoid water sensitive materials such as acids or alkalis or sodium and other metallic hydrides.

11. TOXICOLOGICAL INFORMATION

Toxicological data If any toxicological data is available, it will be listed below:

LD50

Toxicology Data - Selected LD50s and LC50s

Caprolactam

105-60-2 Inhalation LC50 Rat: 8.16 mg/L/4H; Oral LD50 Rat: 1155 mg/kg; Dermal LD50 Rat: >2000 mg/kg; Dermal LD50 Rabbit: 1410 µL/kg

Carcinogenicity

If this product contains any carcinogens, they will be noted below:

12. ECOLOGICAL INFORMATION

Bostik's hot melt adhesives are manufactured without the intentional use of volatile organic compounds and/or hazardous air pollutants regulated by the EPA in the Clean Air Act Amendment of 1990.

Ecotoxicological information No data available for this product.

13. DISPOSAL CONSIDERATIONS

It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable local, state and federal regulations.

Waste disposal

This product as supplied is not considered a hazardous waste under RCRA. Dispose of in compliance with all local, state, and federal regulations. Recommended disposal method is incineration.

14. TRANSPORT INFORMATION

Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

Federal regulations

This product is considered to be an article and as such is exempt from the requirements of the U.S. EPA Toxic Substances Control Act (TSCA) Inventory List.

State regulations

If this product contains any ingredients listed under California Proposition 65, they will be noted below:

International regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

HMIS Ratings This product is considered to be an article and as such is exempt from the requirements of the Canadian Domestic Substance List (DSL).

Health: 1
Flammability: 1
Physical hazard: 0
Personal protection: X

SARA 311/312 HAZARD CATEGORIES Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

WHMIS status Exempt

16. OTHER INFORMATION

Product name(s) covered W3979013 - AP30 1X100-56R/CASE
W3979014 - AP30 60X100-1R/CASE
W3979015 - AP30 60X100-3R/CASE
W3979016 - AP30 1/2X150-112R/CASE
W3979017 - AP30 1/2X100-112R/CASE
W3979018 - AP30 3/4X100-72R/CASE
W3979019 - AP30 3/8X100-148R/CASE
W3979020 - AP30 5/8X100-92R/CASE
W3979021 - AP30 3/4X150-72R/CASE
W3979023 - AP30 5/8X150-92R/CASE
W3979024 - AP30 1X150-56R/CASE
W3979025 - AP30 3/8X150-148R/CASE
W3979026 - AP30 9/16X150-100R/CASE
W3979037 - AP30 7/8X150-64R/CASE
W3979038 - AP30 3/8X100-148R/CASE
W3979041 - AP30 1-3/4X100-32/CASE
W3979052 - AP30 60X150-2RLS/CASE
W3979054 - AP30 1-1/2X100-36R/CASE
W3979059 - AP30 2X100-28R/CASE
W3979152 - AP30 60X150-25R

Disclaimer The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

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Prepared by Richard Sontag

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