

Burdick & Jackson

Material Safety Data Sheet

3-Picoline

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3-Picoline
OTHER/GENERIC NAMES: 3-Methylpyridine, Beta-Picoline
PRODUCT USE: Solvent

MANUFACTURER: Honeywell, Burdick & Jackson
1953 South Harvey Street
Muskegon, MI 49442

FOR MORE INFORMATION CALL: (Monday-Friday, 8:00am-5:00pm)
1-800-368-0050

IN CASE OF EMERGENCY CALL: (24 Hours/Day, 7 Days/Week)
1-800-707-4555 or Chemtrec 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
3-Picoline	108-99-6	100%

Trace impurities and additional material names not listed above may also appear in Section 15 toward the end of the MSDS. These materials may be listed for local "Right-To-Know" compliance and for other reasons.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

**Flammable liquid and vapor. Severely irritating to eyes and mucous membranes.
Corrosive to skin.**

POTENTIAL HEALTH HAZARDS

SKIN: Can be absorbed through skin. Contact can cause redness, itching and burning sensation. Prolonged contact leading to absorption can cause same symptoms as inhalation.

EYES: Can cause severe burns. Can cause blurred vision and pain.

INHALATION: Can cause irritation, headache, drowsiness, difficult breathing, nausea, unconsciousness,

INGESTION: Can Cause abdominal pain, gastro-intestinal distress, burning sensation.

DELAYED EFFECTS: Prolonged or repeated exposure can cause damage to the central nervous system, and defatting of the skin. May affect liver and kidney function.

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Ingredients found on one of the OSHA designated carcinogen lists are listed below.

<u>INGREDIENT NAME</u>	<u>NTP STATUS</u>	<u>IARC STATUS</u>	<u>OSHA LIST</u>
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No ingredients listed in this section.

4. FIRST AID MEASURES

SKIN:	Rinse with plenty of water. Contact a physician.
EYES:	Rinse with plenty of water for 15 minutes. Contact a physician.
INHALATION:	Remove from exposure area to fresh air. If victim is not breathing administer artificial respiration according to your level of training and obtain professional medical assistance immediately
INGESTION:	Do not induce vomiting unless directed to do so by physician. Contact physician immediately.
ADVICE TO PHYSICIAN:	Treat symptomatically

5. FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES**

FLASH POINT:	38°C (100°F)
FLASH POINT METHOD:	Closed Cup
AUTOIGNITION TEMPERATURE:	~1000°F
UPPER FLAME LIMIT (volume % in air):	Not Available
LOWER FLAME LIMIT (volume % in air):	Not Available
FLAME PROPAGATION RATE (solids):	Not applicable
OSHA FLAMMABILITY CLASS:	Class II

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, alcohol foam, water mist or fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Volatile and highly flammable. Vapors may form explosive mixtures with air. Vapors may travel to a source of ignition and flash back.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:

Wear full protective clothing and self-contained breathing apparatus. Heat will build pressure and may rupture closed storage containers. Keep fire-exposed containers cool with water spray.

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IN CASE OF SPILL OR OTHER RELEASE: (Always wear recommended personal protective equipment.)

Protect from ignition. Wear protective clothing and use approved respirator equipment. Absorb spilled material in an absorbent recommended for solvent spills and remove to a safe location for disposal by approved methods.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

7. HANDLING AND STORAGE

NORMAL HANDLING: (Always wear recommended personal protective equipment.)

Flammable liquid and vapor. Keep container closed. Do not breathe vapors. Avoid contact with skin, eyes and mucous membranes. Keep away from heat, sparks and flame. Electrically ground all handling equipment.

STORAGE RECOMMENDATIONS:

Store in an area designed for storage of flammable liquids. (OSHA 29 CFR 1910.106)

Protect from temperature extremes and sunlight and store away from incompatible substances. Once liquid solvent has been completely dispensed, containers which appear "empty" should be handled in the same manner as when they were "full" of liquid solvent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS:**

Provide general or local exhaust ventilation systems. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

PERSONAL PROTECTIVE EQUIPMENT**SKIN PROTECTION:**

Wear chemically protective gloves (butyl rubber, viton), boots and aprons to prevent prolonged or repeated skin contact.

EYE PROTECTION:

Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations 29 CFR 1910.133). Contact lenses are not protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

RESPIRATORY PROTECTION:

Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH approved organic vapor respirator. For emergency or non-routine operations (clean spills, reactor vessels or storage tanks), wear an SCBA. Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

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ADDITIONAL RECOMMENDATIONS:

Emergency eyewash fountains and safety showers should be available in the work area. Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from shoes and clean personal protective equipment. Practice good personal hygiene after using this material.

EXPOSURE GUIDELINES

<u>INGREDIENT NAME</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER LIMIT</u>
3-Picoline	Not Established	Not Established	None

- * = Limit established by Honeywell International, Inc.
- ** = Workplace Environmental Exposure Level (AIHA).
- *** = Biological Exposure Index (ACGIH).

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, colorless to slightly yellow liquid	
PHYSICAL STATE:	Liquid	
MOLECULAR WEIGHT:	93.0	
CHEMICAL FORMULA:	$(C_5H_4N)CH_3$	
ODOR:	Sweetish, Not unpleasant	
SPECIFIC GRAVITY (water = 1.0):	0.957 @ 20°C	
SOLUBILITY IN WATER (weight %):	Complete	
pH:	Not applicable	
BOILING POINT: (760 mm Hg)	144°C (291°F)	
MELTING POINT/FREEZING POINT:	-18.1°C	
VAPOR PRESSURE: (@ 20°C):	4.4 mm Hg	
VAPOR DENSITY (air = 1.0):	Not Available	
EVAPORATION RATE:	Not Available	COMPARED TO: Butyl Acetate = 1
% VOLATILES:	Not Available	
FLASH POINT:	37°C (100°F)	
(Flash point method and additional flammability data are found in Section 5.)		

10. STABILITY AND REACTIVITY

NORMALLY STABLE? (CONDITIONS TO AVOID):

Stable.

INCOMPATIBILITIES:

Avoid heat, sparks, open flame, open containers and poor ventilation.

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Incomplete combustion can generate cyanide, nitrogen oxide, ammonia and other toxic vapors.

HAZARDOUS POLYMERIZATION:

Not expected to occur.

11. TOXICOLOGICAL INFORMATION**IMMEDIATE (ACUTE) EFFECTS:**

Oral-Rat LD50:400 mg/kg

Inhalation-Rat LCLo:8700 ppm/2H

Intraperitoneal-Rat LD50:150 mg/kg

Intraperitoneal-Mouse LD50:596 mg/kg

Intravenous-Mouse LD50:298 mg/kg

Oral-Quail (laboratory) LD50:1 g/kg

Oral-Bird-wild species LD50:1 g/kg

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS:

Causes damage to liver and kidney. May effect the nervous system.

OTHER DATA:

None

12. ECOLOGICAL INFORMATION

Insufficient Data

13. DISPOSAL CONSIDERATIONS**RCRA**

Is the unused product a RCRA hazardous waste if discarded? Yes

If yes, the RCRA ID number is: D001

OTHER DISPOSAL CONSIDERATIONS: Observe all Federal, State, and Local Environmental regulations.

The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

14. TRANSPORT INFORMATION

US DOT PROPER SHIPPING NAME:	Picolines
US DOT HAZARD CLASS:	3, Flammable Liquid
US DOT ID NUMBER:	UN2313
PACKING GROUP:	III
NA EMERGENCY RESPONSE GUIDE	130

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For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

15. REGULATORY INFORMATION**TOXIC SUBSTANCES CONTROL ACT (TSCA)**

TSCA INVENTORY STATUS: Listed
OTHER TSCA ISSUES: None

SARA TITLE III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

<u>INGREDIENT NAME</u>	<u>SARA/CERCLA RQ (lb)</u>	<u>SARA EHS TPQ (lb)</u>
No ingredients listed in this section.	None	None

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

SECTION 311 HAZARD CLASS: Immediate, Acute, Fire

SARA 313 TOXIC CHEMICALS:

The following ingredients are SARA 313 "Toxic Chemicals". CAS numbers and weight percents are found in Section 2.

<u>INGREDIENT NAME</u>	<u>COMMENT</u>
No ingredients listed in this section.	

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section 2, the following are listed for state right-to-know purposes.

<u>INGREDIENT NAME</u>	<u>WEIGHT %</u>	<u>COMMENT</u>
No ingredients listed in this section.		

ADDITIONAL REGULATORY INFORMATION:

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WHMIS CLASSIFICATION (CANADA): Class B Division 2

FOREIGN INVENTORY STATUS:

16. OTHER INFORMATION

CURRENT ISSUE DATE: August, 2000

PREVIOUS ISSUE DATE: New,

CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:

New header and footer information.

OTHER INFORMATION: