ATTN: SAFETY DIRECTOR  
UNIV OF WISCONSIN - WHITewater  
Purchasing Office  
800 W Main ST  
WHITewater WI 53190-1705

EMERGEnCY PHONE 1-414-273-3850  
DATE 12/16/99  
CUST#: 049504629  
PO#: CC/121499/ROWLAN D

MATERIAL SAFETY DATA SHEET  PAGE 1

SECTION 1. -- -- -- -- -- CHEMICAL IDENTIFICATION  -- -- -- -- --
CATALOG #:  
NAME: 43398-5  
5-BROMO-2-FURALDEHYDE, 97%

SECTION 2. -- -- -- -- COMPOSITION/INFORMATION ON INGREDIENTS  -- -- -- --
CAS #: 1899-24-7  
MF: C5H3BRO2

SECTION 3. -- -- -- -- -- HAZARDS IDENTIFICATION  -- -- -- -- --
LABEL PRECAUTIONARY STATEMENTS
HARMFUL  
HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.  
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.  
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF  
WATER AND SEEK MEDICAL ADVICE.  
WEAR SUITABLE PROTECTIVE CLOTHING.  
REFRIGERATE.  
STORE UNDER NITROGEN.

SECTION 4. -- -- -- -- -- FIRST-AID MEASURES  -- -- -- -- --
IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS  
AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED  
CLOTHING AND SHOES.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL  
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.  
CALL A PHYSICIAN.  
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5. -- -- -- -- -- FIRE FIGHTING MEASURES  -- -- -- -- --
EXTINGUISHING MEDIA  
WATER SPRAY.  
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES  
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO  
PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS  
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. -- -- -- -- -- ACCIDENTAL RELEASE MEASURES  -- -- -- -- --
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY  
RUBBER GLOVES.

CONTINUED ON NEXT PAGE
CUST#: 049504629
PO#: CC/121499/ROWLAND

MATERIAL SAFETY DATA SHEET  PAGE 2

CATALOG #: 43398-5
NAME: 5-BROMO-2-FURALDEHYDE, 97%

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID Raising DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - - - - HANDLING AND STORAGE - - - - - - - -
REFER TO SECTION 8.

SECTION 8. - - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -
CHEMICAL SAFETY GOGGLES
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE DUST.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
KEEP TIGHTLY CLOSED.

SECTION 9. - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - - -
APPEARANCE AND ODOR
BROWN NEEDLES

PHYSICAL PROPERTIES
BOILING POINT: 112 C/16MM.
MELTING POINT: 82 C TO 85 C

SECTION 10. - - - - - - STABILITY AND REACTIVITY - - - - - -
INCOMPATIBILITIES
STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
HYDROGEN BROMIDE GAS

SECTION 11. - - - - - - TOXICOLOGICAL INFORMATION - - - - - -
ACUTE EFFECTS
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
CAUSES EYE AND SKIN IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

SECTION 12. - - - - - - ECOLOGICAL INFORMATION - - - - - -
DATA NOT YET AVAILABLE.

CONTINUED ON NEXT PAGE
CATALOG #: 43398-5
NAME: 5-BROMO-2-FURALDEHYDE, 97%

SECTION 13. - - - - - - DISPOSAL CONSIDERATIONS - - - - - - -
Dissolve or mix the material with a combustible solvent and burn in a
chemical incinerator equipped with an afterburner and scrubber.
Observe all federal, state and local environmental regulations.

SECTION 14. - - - - - - TRANSPORT INFORMATION - - - - - - - -
Contact Aldrich Chemical Company for transportation information.

SECTION 15. - - - - - - REGULATORY INFORMATION - - - - - - - -

EUROPEAN INFORMATION
CAUTION: SUBSTANCE NOT YET FULLY TESTED.
HARMFUL
R 20/21/22
HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
R 36/37/38
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
S 26
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
S 36
WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 16. - - - - - - OTHER INFORMATION- - - - - - - - -

The above information is believed to be correct but does not purport to
be all inclusive and shall be used only as a guide. Aldrich shall not be
held liable for any damage resulting from handling or from contact with
the above product. See reverse side of invoice or packing slip for
additional terms and conditions of sale.

COPYRIGHT 1999 SIGMA-ALDRICH CO.
License granted to make unlimited paper copies for internal use only.