

# MATERIAL SAFETY DATA SHEET

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## **SECTION 1: PRODUCT IDENTIFICATION .**

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PRODUCT NAME: PRECISION BOND. PRODUCT NUMBER: 3301-W.

WHMIS CLASSIFICATION: D2b.  
HMIS. RATING: HEALTH: 1 FLAMMABILITY: 0  
REACTIVITY: 0 PERSONAL PROTECTION: A  
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## **SECTION 2: HAZARDOUS INGREDIENTS.**

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Ingredient: CAS. Number % w/w TLV.  
AMMONIA. 7664-41-7 0.2 25-50 ppm.

LD 50: 350 mg/kg. ORAL. RAT.  
LC LO: 2000 ppm. INHALATION, RAT.  
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## **SECTION 3: PHYSICAL DATA.**

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PHYSICAL DESCRIPTION: Thick white liquid.  
EVAPORATION RATE: As Water.  
VAPOUR DENSITY: As Water.  
BOILING POINT: 100°C  
FREEZING POINT: -5° C  
SPECIFIC GRAVITY: 1.0  
pH: Approx 8.  
VOC: 0 g/L  
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## **SECTION 4: FIRE AND EXPLOSION DATA.**

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FLAMMABILITY CLASSIFICATION: Not flammable.

FLAMMABLE LIMITS: Not applicable.  
FLASH POINT AND METHOD: OVER 100° C (TCC).

EXTINGUISHING MEDIA: Foam, CO2, dry chemical, water fog.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: This material will not support combustion until the water has evaporated.

SPECIAL FIRE-FIGHTING PROCEDURES: Water may be used to cool containers to prevent pressure build up.

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**SECTION 5: HEALTH HAZARD DATA.**

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EFFECTS OF OVEREXPOSURE:

SKIN: May cause irritation.  
EYES: Eye contact may cause irritation.  
INHALATION: Vapour may cause irritation of throat and lungs.  
INGESTION: May be harmful if swallowed.  
The total health effects of this product have not been tested but this product is not believed to be particularly hazardous based on its composition.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known.

PRIMARY ROUTES OF ENTRY: Dermal, eye contact.

**EMERGENCY AND FIRST AID PROCEDURES:**

EYES: Flush well with plenty of running water for 5 minutes.  
Consult physician.

SKIN: Wash affected areas with soap & water.

INGESTION: Give plenty of water to drink & consult physician.

INHALATION: Not normally a hazard.

**NOTE:** Although the concentration in this product is low, the high vapour pressure of ammonia makes it possible to exceed the TLV or PEL in the drum head space or other confined areas. The liberation of ammonia may be retarded by the chemically neutral nature of this product.

No constituents are listed as carcinogens by NTP, IRAC OR OSHA  
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**SECTION 6: REACTIVITY DATA.**

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MATERIAL STABILITY: Stable.

HAZARDOUS POLYMERIZATION WILL: Not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:  
Dried film will burn producing oxides of carbon & nitrogen together with black smoke.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

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**SECTION 7: SPILL OR LEAK PROCEDURES.**

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED or SPILLED:  
Pick up with an inert absorbent. Wash down floor.

WASTE DISPOSAL METHOD:  
Only dispose of in accordance with all Government regulations.  
This product is not considered a hazardous waste.

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**SECTION 8: SPILL OR LEAK PROTECTION.**

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RESPIRATORY PROTECTION: If spray mists are generated, wear a NIOSH approved particulate respirator.  
VENTILATION: Use normal good ventilation.  
PROTECTIVE GLOVES: Waterproof gloves are recommended For direct contact.  
EYE PROTECTION: Wear safety goggles.  
OTHER PROTECTIVE EQUIPMENT: No special requirements.  
HYGIENE PRACTICES: Remove and wash contaminated clothing before re-use.

SPECIAL PRECAUTIONS.  
To avoid concentrated ammonia vapours DO NOT open drums in an unventilated area.  
Do not take internally. Do not get in eyes.  
Avoid prolonged or repeated contact with skin.

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**SECTION 9: SHIPPING AND LABEL INFORMATION.**

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DOT SHIPPING DATA: Not regulated.

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**SECTION 10: PREPARATION DATA.**

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PREPARED BY: INNOVATIVE MANUFACTURING INC.  
DATE: 8 January 2014

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