**Material Safety Data Sheet**

**DR-188**

**HMIS: HEALTH-1 FIRE-0 REACTIVITY-0**

Date-Issued 7/2/2007

Date-Revised 7/2/2010

Revision # 01

**1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: DA-188

PRODUCT CODE: 188

MANUFACTURE INFORMATION PHONE (302) 791-0338

Design Chemicals Corp. EMERCENCY PHONE (800) 846-3242

501 Silverside Road

Wilmington, DE 19809

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

 **Component CAS-N0 Concentration**

Acrylic polymers Not Hazardous 58.0-56.0%

Residual Monomer Not required <500.0ppm

Aqua ammonia 1336-21-6 < 0.2%

Water 7732-18-5 48.0-46.0%

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3. **HAZARDS IDENTIFICATION**

No reportable quantities of hazardous ingredients are present.

POTENTIAL HEALTH EFFECTS

EYE: Moderately irritation; may aggravate existing conditions.

INHALATION: Mildly irritation.

INGESTION: No harmful effects have been reported upon ingestion.

CARCINOGENICITY: Not listed by NTP, IARC, or OSHA as a carcinogen.

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**4. FIRST AID MEASURES**

EYE: Flush eyes for 15 minutes or more, if irritation persists consult physician.

SKIN: Immediately and thoroughly, wash off with soap and water.

INGESTION: Seek medical advice.

INHALATION: Ensure supply of fresh air.

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**5. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: Liquid

ODOR: Ammonia

COLOUR: Milky

BOLING RANGE: 1000c

VAPOUR PRESSURE 17.0mmhg at 200c

Density: 1.00-1.200

Water Solubility: Dilutable

Note: The physical data presented above are typical values and should not be consider specification.

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**5. FIRE AND EXPLOSION HAZARD IDENTIFICATION**

FLASH POINT: Non combustible

Explosion Limit Not applicable

Thermal Decomposition: May yield acrylic monomer

FIRE FIGHTING PROCEDURES: Fire fighters to wear self contained breathing apparatus and wear protective suit. Cool fire endangered containers by water spray.

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**7. REACTIVITY**

STABLE: YES

HAZARDOUS POLYMERIZATION: Under normal conditions no polymerization.

HAZARDOUS DECOMPOSITION: Thermal decomposition may produce CO and Co2.

INCOMPATIBILITY: There are no known materials which are incompatible with this product

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**8. FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED: Appropriate protective equipment must be worn when handling spill of this material. SEE CONTROL MEASURE SECTION for recommendation. If exposed to material during cleanup operation, see the FIRST AID PROCEDURES for action to fallow. Absorb with inert material. Keep spills and runoff out of municipal sewers and open bodies of water

WASTE DISPOSAL METHOD: Incinerate or use biological treatment with Federal and local regulations.

HANDLING AND STORAGE: Store at temperature below 1200F. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**9. CONTROL MEASURES**

RESPORATORY PROTECTION: None required if used at room temperature. If material is heated, wear MSHA/NIOSH approved full mask air purifying respirator.

VENTILATION: Use local exhaust ventilation.

PROTECTIVE GLOVES: Gloves made of neoprene provide adequate protection against permeation.

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**TRANSPOTATION INFORMATION**

Not classified as dangerous in meaning of transpotation regulations.

**REGULATORY INFORMATION**

Regulatory Information Inventory Status

 On TSCA, on DSL

 NFPA Rating (0-4)

 Health=2 Flammability=1 Reactivity=1 Special=0

 NO Hazard Class

Symbol(s) None

R-phrases(s) None

S-phrases(s) S26 In case of contact with eyes, rinse immediately with plenty of water and soap.S36/37/39 Wear suitable protective clothes, gloves and safety glasses.

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