



**MATERIAL SAFETY DATA SHEET**  
**FLEX CAT PURE**

Rev. 08/2012

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

W.R.Grace & Co.-Conn.      Grace Canada, Inc.  
62 Whittemore Avenue      294 Clements Road West  
Cambridge, MA 02140      Ajax, Ontario L1S 3C6

**In Case of Emergency Call:**

In USA: (617) 876-1400    In Canada: (905) 683-8561

**SECTION 2: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

**DANGER:** Irritating to eyes and skin

**APPEARANCE AND ODOR:**  
Grey liquid with a slightly musty / amine odor.

**REACTIVE:**  
Avoid acids, chlorine and oxidizers.

**POTENTIAL HEALTH EFFECTS**

**EYES:**  
Can cause eye irritation. Prolonged exposure to eyes can cause chemical burns. Uncontrolled vapor exposure may cause severe pain or serious damage to eye..

**SKIN:**  
Can cause skin irritation. Prolonged exposure to skin can cause chemical burns. Exposure can cause latent burns. Heated product may cause thermal burns if contacted.

**INGESTION:**  
Small amounts may cause injury.

**INHALATION:** Prolonged or repeated high level exposures may cause severe irritation of respiratory passages and/or lung congestion.

**SECTION 3: HAZARDOUS INGREDIENTS**

<u>Name</u>	<u>CAS NO.</u>	<u>% wt/wt</u>
Nitrogen Compound	trade secret	10-20%

**SECTION 4: FIRST AID MEASURES**

**EYES:**  
Immediately flush eyes gently with water for at least 15 minutes, while holding open upper and lower lids. Immediately seek medical attention.

  
**MATERIAL SAFETY DATA SHEET**  
**FLEX CAT PURE**

Rev. 08/2012

**SKIN:**

Immediately wash thoroughly with mild soap and water. If available, use an appropriate decontamination skin cleanser. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes. Immediately obtain medical attention.

**INGESTION:**

SEEK IMMEDIATE MEDICAL ATTENTION! DELAYED TREATMENT MAY RESULT IN FATALITY. Do not induce vomiting. If victim is fully conscious, dilute stomach contents with large amounts of milk or water. Never give anything by mouth to an unconscious person. Immediately call a physician.

**INHALATION:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Immediately get medical attention.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Flash Point:**

ASTM D93 >212°F (100°C) (closed cup)

**EXTINGUISHING MEDIA:**

Dry Chemical, CO<sub>2</sub>, Foam or Water Fog

**SPECIAL FIRE FIGHTING PROCEDURES:**

A MSHA/NIOSH approved self-contained breathing apparatus should be worn. Do not scatter material with high pressure water streams.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Fire or intense heat will decompose the product into acrid smoke and fumes.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:**

Where exposure level is known, wear approved respirator suitable for the level of exposure. If exposure level is unknown, wear approved, positive pressure, self-contained respirator. In addition to the protective clothing in Section 8, wear impermeable boots. Prevent from reaching waterways.

**CLEAN-UP PROCEDURES:**

Remove sources of ignition. Dike and contain the spill with inert material and transfer liquid and solid diking material to separate containers for recovery or disposal. Wash floor area with hot water solution. Remove contaminated clothing and wash before reuse. Wash affected skin areas with soap and water. Keep spills out of all sewers and bodies of water.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING:**

Avoid skin and eye contact. Wash thoroughly after handling. Keep product away from heat and open flame. Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes,



**MATERIAL SAFETY DATA SHEET**  
**FLEX CAT PURE**

Rev. 08/2012

skin, and clothing. Wash thoroughly after handling. Since empty containers contain product residue and can be dangerous, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition.

**STORAGE:**

Maintain storage temperatures between 65°F to 86°F (18°C to 30°C). Do not allow product to freeze. Do not use if previously frozen. Store in original closed containers in a cool, dry, well-ventilated area. Store separately from all combustible, organic and oxidizable materials. Keep from contact with oxidizing materials. Containers should be kept tightly closed and stored in a dry well-ventilated place

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

Local exhaust: preferred. Mechanical: may be necessary if working at elevated temperatures or in enclosed areas.

**RESPIRATORY PROTECTION:**

Use an appropriate NIOSH/MSHA approved respirator for exposure to contaminated atmosphere. A NIOSH/MSHA approved self-contained breathing apparatus or air-supplied respirator is recommended if the concentration exceeds the capacity of cartridge respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

**EYE PROTECTION:** Safety goggles or face shield

**SKIN PROTECTION:** Protective gloves: Rubber or plastic depending upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective clothing.

**WORK HYGIENIC PRACTICES:** Use good hygiene practices when handling this material including changing and laundering of work clothes after use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Gray liquid  
ODOR: Musty, amine odor  
ODOR THRESHOLD: Not available  
PHYSICAL STATE: Liquid  
pH: alkaline  
MELTING/ FREEZING PT: Not available  
FLASH POINT: >212°F (100°C)  
EVAPORATION RATE: Not available  
FLAMMABILITY: Not available  
UPPER FLAMMABILITY LIMITS: Not available

BOILING POINT: >356°F (>180°C)  
LOWER FLAMMABILITY LIMITS: Not available  
VAPOR PRESSURE: <1mm Hg @ 77°F  
VAPOR DENSITY: <0.1  
BULK DENSITY: 8.48 lbs/gal  
SOLUBILITY (H<sub>2</sub>O): partially miscible  
PARTITION COEFFICIENT: Not available  
AUTO-IGNITION TEMPERATURE: not available  
SPECIFIC GRAVITY (H<sub>2</sub>O=1) 0.95  
DECOMPOSITION TEMPERATURE: Not available

**SECTION 10: STABILITY AND REACTIVITY**

  
**MATERIAL SAFETY DATA SHEET**  
**FLEX CAT PRe**

Rev. 08/2012

**STABILITY:**

Stable under normal conditions.

**CONDITIONS TO AVOID (STABILITY):**

High temperatures

**INCOMPATIBILITY (MATERIAL TO AVOID):**

Aluminum, lead sodium hypochlorite, organic acids, mineral acids, reactive metals, materials with hydroxyl compounds, alkalis, oxidizers.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:**

Carbon dioxide and carbon monoxide, nitrogen oxides, flammable hydrocarbon fragments.

**HAZARDOUS POLYMERIZATION:**

Does not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**ACCUTE TOXICITY**

Oral LD50 (rat) >2000 mg/kg

Inhalation LC50 (rat) > 15mg/L/4hrs

Dermal LD50 (rabbit): >2000 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

Not expected to bioaccumulate

In high amounts this product can be dangerous for surface waters. This product has limited water solubility.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method**

Do not allow into drains or waterways or where ground water or surface waters may be affected. Ensure any containers containing waste material are correctly labeled.

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

**Empty Container Precautions**

Empty containers retain product residue; observe all precautions for product. Do not heat or cut empty container with electric or gas torch because highly toxic vapors and gases are formed. Do not reuse without thorough commercial cleaning and reconditioning. If container is to be disposed, ensure all product residues are removed prior to disposal. Dispose of per local, state and federal guidelines as required by your specific local. This product when used with urethane resin to produce foam in its cured foam state is inert and non-toxic.

**SECTION 14: TRANSPORT INFORMATION**

This product is not classified as dangerous goods according to transport regulations.

**SECTION 15: REGULATORY INFORMATION**

U.S. FEDERAL REGULATIONS

  
**MATERIAL SAFETY DATA SHEET**  
***FLEX CAT PRe***

Rev. 08/2012

---

All components are listed in or exempt from TSCA

WHMIS:

All components are listed on the CEPA Domestic Substances List (DSL)

NFPA HAZARD CLASSIFICATION:

HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

HMIS:

HEALTH: 2 FLAMMABILITY: 1 PHYSICAL HAZARD: 0