

**Material Safety Data Sheet**  
**PERRUSTOL CAT FLAKES**Rev No. : 01  
01-04-2013**1. Identification of the substance/preparation and of the company/undertaking****Product details**

- **Trade Name : PERRUSTOL CAT FLAKES (TULACHEM SOFTEX CAT FLAKES)**
- **Application of the substance / the preparation** Textile Auxiliary Chemical
- **Manufacturer/supplier :**
  - Rudolf Atul Chemicals Limited
  - Post : Atul, District : Valsad – 396 020
  - Gujarat, India
  - Telephone : (+912632) 230000
  - Email : racl@atul.co.in Website : www.atul.co.in

**2. Composition/information on ingredients**

- **Chemical characterization :**
- **Description :** Aliphatic Polyamine Compound
- **Additional information :**

**3. Hazards identification**

- **Hazard description :**
- **Information concerning particular hazards for human and environment :**

**4. First-aid measures**

- **General information :**
  - Remove contaminated clothing immediately and dispose of safely.
  - In the event of symptoms refer for medical treatment.
- **After inhalation :** Remove the casualty into fresh air and keep him calm.  
Refer for medical treatment.
- **After skin contact :** In case of contact with skin wash off immediately with soap and plenty of water.
- **After eye contact :** In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
- **After swallowing :** Summon a doctor immediately.  
Do not induce vomiting.
- **Further Medical Treatment :**

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01-04-2013**5. Fire-fighting measures**

- **Suitable extinguishing agents :**  
CO<sub>2</sub>, Dry powder, water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents :**
- **Special hazards caused by the substance, its products of combustion or resulting gases :**
- **Protective equipment :** Short term: filter apparatus, combination filter.  
Do not inhale explosion and/or combustion gases.

**6. Accidental release measures**

- **Person-related safety precautions :**  
Avoid contact with eyes and skin.
- **Measures for environmental protection :**  
Do not discharge into the drains / surface water / groundwater.
- **Measures for cleaning/collecting :**  
Take up with absorbent material, e.g. general purpose binder.  
Dispose of absorbent material in accordance with the regulations.
- **Additional Information :**

**7. Handling and storage**

- **Handling :**
- **Information for safe handling :** No special measures necessary.
- **Information about fire - and explosion protection :** No special measures required.
- **Storage :**
- **Requirements to be met by storerooms and receptacles :**
- **Information about storage in one common storage facility :** Keep away from materials that react with water, weak acids or weak bases.
- **Further information about storage conditions :** Keep container tightly closed and store in well ventilated area.
- **Recommended storage temperature :** Product should be stored between 20 - 40°C
- **Storage class :**
- **Storage stability :** Storage period up to 12 months at 65 % RH & 20°C in closed packed condition.

**8. Exposure controls/personal protection**

- **Additional information about design of technical facilities :**
- **Ingredients with limit values that require monitoring at the workplace :**
- **Additional information :**

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- **Personal protective equipment :**
- **General protective and hygienic measures :**  
Observe the usual precautions when handling chemicals
- **Respiratory protection :**
- **Protection of hands :**



Protective gloves

- **Eye protection :** Wear goggles / safety goggles



Safety Glasses

- **Body protection :** Protective work clothing

**9. Physical and chemical properties**

- **General Information**
  - Form** : Solid Flakes
  - Colour** : Cream Colour
  - Odour** : Odorless
- **Change in condition**
  - Melting point/Melting range** : NA
  - Boiling point/Boiling range** : > 100°C
- **Flash point** : NA
- **Self-igniting** : NA
- **Danger of explosion** : NA
- **Vapour pressure at 20°C** : NA
- **Density at 20°C** : NA
- **Solubility in / Miscibility with water** : Soluble
- **pH-value at 20°C** : ca 4.5
- **Viscosity** :
- **Dynamic at 20°C** : NA

**10. Stability and reactivity**

- **Thermal decomposition / conditions to be avoided :** None.
- **Materials to be avoided :** None
- **Dangerous reactions :** None with proper handling and storage
- **Dangerous decomposition products :**

**11. Toxicological information**

- **Acute toxicity :**
- **LD/LC50 values relevant for classification :**

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Oral LD-50 : Not Known

LC-50 : Not Known

· **Primary irritant effect** : : Not Irritant· **on the skin** :· **on the eyes** :· **Sensitization** :· **Additional toxicological information** :

The product has not been tested. The information is derived from the properties of the individual components.

**12. Ecological information**· **Information about elimination (persistence and degradability)** : Not dangerous to environment with respect to mobility, persistence and Degradability· **Method**· **Analysing method**· **Degree of elimination** : Not Known· **Classification** :· **Ecotoxicological effects** :· **Aquatic toxicity** :

LC-50 Not Known

· **Behaviour in sewage processing plants** :

EC-50 Not Known

· **Additional ecological information** :· **COD-value** : Not Known· **BOD-value** : Not Known· **AOX-indication** :· **General notes** :

Do not allow product to reach the drainage

**13. Disposal considerations**· **Recommendation** :

In accordance with the regulations for special waste, must be taken, after pretreatment, to an authorized special waste incineration plant.

· **Uncleaned packaging** : Contaminated packaging should be emptied as far as possible and may be reused after appropriate cleansing.· **Recommendation** :· **Recommended cleansing agents** : Water.**14. Transport information**· **Land transport ADR/RID (cross-border)** :· **ADR/RID class** :· **Packaging group** :

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- Hazard label :
- Description of goods :
- Maritime transport IMDG :
- UN Number :
- Label :
- Packaging group :
- EMS Number :
- Proper shipping name :
- Air transport ICAO-TI and IATA-DGR :
- ICAO/IATA Class :
- UN/ID Number :
- Label :
- Packaging group :
- Proper shipping name :

**15. Regulatory information**

- **Labeling :**  
The product does not require hazard warning label in accordance with National / State regulations on Hazardous Materials.
- **Code letter and hazard designation of product :**  
Xi : Harmful
- **Risk phrases :**  
R22 : Harmful if swallowed  
R36/38 : Irritating to eyes and skin
- **Safety phrases :**  
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S28 : After contact with skin, wash immediately with plenty of water  
S37/39 Wear suitable gloves and eye/face protection

**16. Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.