

## Safety Data Sheet ABS X-TREME X130

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### 1. Product Name / Company Identification

Product: ABS X-TREME X130

Company:

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name

Acrylnitril-Butadien-Styrol-Copolymer  
CAS-Number: 009003-56-9 90-99

Content:

|             |                             |
|-------------|-----------------------------|
| Mineral Oil | CAS-Number: 008042-47-5 0-2 |
| Talg        | CAS-Number: 067701-27-3 0-2 |
| Wax         | CAS-Number: 000110-30-5 0-2 |

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### 3. Hazard Identification

|                               |      |
|-------------------------------|------|
| Most Important Hazards        | None |
| Adverse Human Health Effects  | None |
| Environmental Effects         | None |
| Physical and Chemical Hazards | None |

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### 4. First Aid Measures

Inhalation      In case of gases evolving from melted resin, move subject to fresh air.  
Treat symptomatically.

|              |  |
|--------------|--|
| Skin Contact | In case of pellets or powder, wash with water. In case of melt, wash affected skin area and clothing with plenty of (soap and) water.<br>Seek medical advice.  |
| Eye Contact  | In case of pellets or powder, flush with plenty of water for at least 15 minutes.<br>Seek medical advice if any dust particles still remain.<br>In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary. |
| Ingestion    | Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.   |

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## 5. Fire-Fighting Measures

|                                 |                                    |
|---------------------------------|------------------------------------|
| Extinguishing Media             | Water, Foam, Dry chemical powder   |
| Special Fire-Fighting Procedure | Self contained breathing apparatus |
| Fire and Explosion Hazards      | None                               |

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## 6. Accidental Release Measures

|                           |  |
|---------------------------|--|
| Methods for Cleaning up   | Recovery if not contaminated or Disposal   |
| Personal Precautions      | Pellets or powder remained on ground may cause slipping                                  |
| Environmental Precautions | Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water |

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## 7. Handling and Storage

|          |   |
|----------|---|
| Handling | Prevent from fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters. |
| Storage  | Keep the materials at a cool dry place. Protect from direct sunlight, rain and violent temperature fluctuation. Fire is inhibited around storage area.  |

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## 8. Exposure Controls / Personal Protection

|                       |   |  |
|-----------------------|---|--|
| Threshold Limit Value | Not determined                              |  |
| Ventilation           | Necessary to exclude dust, fumes and gases. |  |
| Personal Protection   | Eye   | Wear safety glasses for general purpose.<br>Wear chemical goggles for cleaning molding machines. |
|                       | Respiratory                                 | Wear masks for cleaning molding machines.  |
|                       | Gloves                                      | Necessary for handling melted resin.   |

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## 9. Physical and Chemical Properties

|                             |                        |
|-----------------------------|------------------------|
| <b>Appearance:</b>          | Pellets                |
| <b>Smell:</b>               | Non                    |
| <b>Melting Temperature:</b> | > 100 °C               |
| <b>Solubility:</b>          | insoluble in water     |
| <b>Density:</b>             | 1.05 g/cm <sup>3</sup> |

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## 10. Stability and Reactivity

|                             |   |
|-----------------------------|---|
| Flammability                | Yes   |
| Flash Point                 | 404 °C  |
| Auto-ignition Temperature   | 466 °C  |
| Reactivity with Water       | No  |
| Stability                   | Stable and non-reactive under normal handling and storage condition.  |
| Dust Explosion              | Possible if powder exists.<br>Explosion data for powder (<145mesh)<br>Lower explosion limit 45 g/m <sup>3</sup><br>Minimum ignition energy 3.6 mJ<br>Maximum explosion pressure 7 × 10 <sup>5</sup> Pa<br>Maximum pressure increase rate 3.2 × 10 <sup>7</sup> Pa/S |
| Thermal Decomposition Gases | CO, HCN, AN, SM and NO  |
| Combustion Energy           | 3.53 × 10 <sup>7</sup> J/kg (8424 Kcal/kg)  |

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## 11. Toxicological Information

|                            |   |
|----------------------------|---|
| Irritation                 | Fumes or vapors generated from decomposing resin may be irritant to eyes. |
| Acute oral toxicity (LD50) | Not determined  |
| Mutagenicity               | Not determined  |

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## 12. Ecological Information

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

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## 13. Disposal Consideration

Controlled incineration or landfill according to local, state or national laws and regulations concerning health and pollution.

Inadequate incineration may generate toxic gases such as CO, HCN, AN and SM.

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## **14. Transport Information**

Not classified as a dangerous good under transport regulations

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## **15. Regulatory Information**

None

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## **16. Other Information**

DISCLAIMER OF LIABILITY: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. iSQUARED Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.