Material Safety Data Sheet

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Product Name: SE-9711-14-3

1.COMPANY IDENTIFICATION

Company Calexotics

2.COMPOSITION / INFORMATION ON INGREDIENTS

Substance or Preparation Substance

Chemical Name Acrylonitrile-Butadiene-Styrene Copolymer

Content >98% (Additives $\le 2\%$) Formula (C3H3N, C6H6, C8H8)x

CAS No. 9003-56-9 Impurities Contributing to Hazard None

3.HAZARD IDENTIFICATION

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

4.FIRST AID MEASURES

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.

Seek medical advice.

Eye Contact In case of pellets or powder, flush with plenty of water for at least 15 minutes.

Seek medical advice if any dust particles still remain.

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.

Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

5.FIRE-FIGHTING MEASURES

Extinguishing Media Water, Foam, Dry chemical powder Special Fire-Fighting Procedure Self contained breathing apparatus

Fire and Explosion Hazards None

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.

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. Wear chemical goggles

for cleaning molding machines.

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Respiratory Wear masks for cleaning molding machines.

Gloves Necessary for handling melted resin.

9.PHYSICAL and CHEMICAL PROPERTIES

Appearance black pellets

Melting Temperature Softening above 100° C Solubility Insoluble in water Specific Gravity $1.03 \sim 1.10$

10.STABILITY AND REACTIVITY

Flammability Yes
Flash Point 404° C
Autoignition Temperature 466° C
Reactivity with Water No

Stability Stable and non-reactive under normal handling and storage condition.

Dust Explosion Possible if powder exits.

Explosion data for powder (<145mesh)
Lower explosion limit 45 g/m³
Minimum ignition energy 3.6 mJ
Maximum explosion pressure 7×10^5 Pa
Maximum pressure increase rate 3.2×10^7 Pa/S

Thermal Decomposition Gases CO, HCN, AN, SM and NO Combustion Energy 3.53×10^7 J/kg (8424 Kcal/kg)

11.TOXICOLOGICAL INFORMATION

Irritation Fumes or vapors generated from decomposing resin may

be irritant to eyes.

Acute oral toxicity (LD50) Not determined Not determined

12.ECOLOGICAL INFORMATION

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

13.DISPOSAL CONSIDERATIONS

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.

14.TRANSPORT INFORMATION

Not classified

15.REGULATORY INFORMATION

Not available

16.OTHER INFORMATION

None