

Safety data sheet

LURAN® S 778 T NATURAL

Revision date : 2003/12/09
Version: 1.0Page: 1/6
(30037769/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF Corporation
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: (800) 424-9300
BASF HOTLINE: (800) 832-HELP

Chemical family: Polymer
Synonyms: ACRYLONITRILE STYRENE ACRYLATE

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
25747-74-4	25.0 - 45.0 %	Acrylonitrile - methylstyrene copolymer
9003-54-7	20.0 - 40.0 %	Styrene-acrylonitrile copolymer
26299-47-8	20.0 - 40.0 %	Butyl acrylate - styrene - acrylonitrile copolymer

3. Hazard identification

Emergency overview

CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
INGESTION MAY CAUSE GASTRIC DISTURBANCES.

Use with local exhaust ventilation.

Wear a NIOSH-certified (or equivalent) particulate respirator.

Wear NIOSH-certified chemical goggles.

Wear protective clothing.

Eye wash fountains and safety showers must be easily accessible.

Potential health effects

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Contact with molten product may cause thermal burns. No other known acute effects.

Information on: Styrene, acrylonitrile, butyl acrylate, butadiene

If subjected to excessive heat, the primary decomposition product vapors (styrene, acrylonitrile, butyl acrylate and 1,3-butadiene) can cause irritation to the eyes, skin and respiratory tract.

Irritation:

Irritation is possible when the product comes in contact with the skin, respiratory tract or the eyes.

Information on: Luran S ASA copolymer

Luran S ASA copolymer in pellet form is not expected to be hazardous. Occupational exposure to this material has not been shown to cause significant adverse health effects, provided good industrial hygiene and safety practices are employed.

Repeated dose toxicity:

Safety data sheet

LURAN® S 778 T NATURAL

Revision date : 2003/12/09
Version: 1.0

Page: 2/6
(30037769/MDS_GEN_US/EN)

Information on: Acrylonitrile

Under 29 CFR 1910.1045, OSHA has established standards for the control of occupational exposure to acrylonitrile. OSHA has determined this standard does not apply to exposures which result solely from the processing, use, and handling of finished polymers, such as ABS resins, SAN resins, nitrile barrier resins, solid nitrile elastomers and acrylic and modacrylic fibers. Based on this information, this resin product is exempt from this OSHA acrylonitrile standard.

Information on: Acrylonitrile

Acrylonitrile has an OSHA PEL of 2 ppm and a Ceiling limit of 10 ppm. The ACGIH TLV is 2 ppm Skin.

Information on: n-Butyl Acrylate (PEL/TLV)

The ACGIH (TLV) and OSHA (PEL) for n-butyl acrylate is 10 ppm. The OSHA (TWA) and ACGIH (TLV) for alpha-methyl styrene is 50 ppm; 100 ppm (STEL).

Information on: Styrene

The OSHA permissible exposure limit (PEL) for styrene is 50 ppm (TWA) and 100 ppm (STEL). The ACGIH (TLV) for styrene is 50 ppm and 100 ppm (STEL).

Information on: Styrene residual amounts

This product contains residual amounts of styrene monomer. The National Cancer Institute (NCI) concluded styrene demonstrated suggestive, but not convincing evidence of carcinogenicity in male mice in a lifetime feeding study. The International Agency for Research on Cancer (IARC) has included styrene in Group 2B. Laboratory rats exposed to 800 ppm via inhalation showed evidence of hearing loss. Relevance to humans remains uncertain. Preliminary results from industry sponsored lifetime inhalation studies indicate that styrene caused nasal lesions in mice and rats. There was no indication of an increased incidence of tumors in rats exposed to airborne concentrations ranging from 50 to 1000 ppm. In mice, exposure to styrene at concentrations of 20 to 160 ppm was associated with increased incidences of nasal lesions and benign lung tumors. In female mice, an increase in malignant lung tumors was seen in the highest dose group. The relevance of the mouse tumors to human exposures is unclear and is the subject of further studies being planned. However, numerous epidemiological studies of styrene workers have been conducted which do not indicate carcinogenic effects.

Medical conditions aggravated by overexposure:

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.
See Section 11 - Toxicological information.

4. First-aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on skin:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed:

Ingestion is not likely in the available physical form. If ingested, seek medical attention.

5. Fire-fighting measures

Safety data sheet

LURAN® S 778 T NATURAL

Revision date : 2003/12/09

Page: 3/6

Version: 1.0

(30037769/MDS_GEN_US/EN)

Flash point: > 400 °C

Autoignition:

No data available.

Suitable extinguishing media:

water, dry extinguishing media, carbon dioxide, foam

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

6. Accidental release measures

Environmental precautions:

This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

Cleanup:

Reclaim for processing if possible. Sweep/shovel up. Place into suitable containers for reuse or disposal in a licensed facility.

7. Handling and storage

Handling**Protection against fire and explosion:**

No explosion proofing necessary. The product is capable of dust explosion.

Storage**General advice:**

Keep away from heat. Keep bags tightly sealed.

Storage stability:

Keep container dry. Protect against moisture.

8. Exposure controls and personal protection

Advice on system design:

Provide exhaust ventilation at sources when processing molten product.

Personal protective equipment**Respiratory protection:**

Wear a NIOSH-certified (or equivalent) particulate respirator. Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination.

Hand protection:

Wear gloves to prevent contact during mechanical processing and/or hot melt conditions.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Safety data sheet

LURAN® S 778 T NATURAL

Revision date : 2003/12/09

Page: 4/6

Version: 1.0

(30037769/MDS_GEN_US/EN)

General safety and hygiene measures:

Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dust. Wash soiled clothing immediately.

9. Physical and chemical properties

Form:	pellets
Odour:	faint odour, sweetish
Colour:	opaque
Density:	1.07 g/cm ³
Relative density:	1.07

10. Stability and reactivity

Conditions to avoid:

No data available.

Substances to avoid:

strong oxidizing agents, strong acids

Hazardous reactions:

The product is chemically stable.

Decomposition products:

Hazardous decomposition products:
hydrogen cyanide, carbon monoxide, styrene, acrylonitrile

Thermal decomposition:

> 300 °C
Decomposition rate increases above the indicated temperature.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Unknown

11. Toxicological information

Chronic toxicity**Other information:**

No data available.

12. Ecological information

Environmental toxicity**Other ecotoxicological advice:**

No data can be given due to the product's insolubility in water

Safety data sheet

LURAN® S 778 T NATURAL

Revision date : 2003/12/09
Version: 1.0

Page: 5/6
(30037769/MDS_GEN_US/EN)

13. Disposal considerations

Waste disposal of substance:

Incinerate in a licensed facility.
Do not discharge substance/product into sewer system.

Contaminated packaging:

Dispose of in accordance with national, state and local regulations.

14. Transport information

Reference Bill of Lading

15. Regulatory information

Federal Regulations**Registration status:**

TSCA, US released / listed

SARA hazard categories (EPCRA 311/312): Not hazardous

SARA 313:**CAS Number**

100-42-5

Chemical name

styrene

State regulations**CA Prop. 65:**

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

16. Other information

Local contact information

Lisa Antieau
734-324-5179

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The Chemical Company

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Safety data sheet

LURAN® S 778 T NATURAL

Revision date : 2003/12/09

Page: 6/6

Version: 1.0

(30037769/MDS_GEN_US/EN)

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