

Starlite - Safety Data Sheet

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name. : Starlite

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : X-ray Attenuation

1.3. Details of the supplier of the safety data sheet

Bar Ray Products Inc.
95 Monarch Street
Littlestown, PA 17340

1.4. Emergency telephone number

717-359-9100

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Antimony	(CAS No) 7440-36-0	65 - 90	Not classified
Plastisol	(CAS No) Trade Secret	10 - 35	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : No specific first aid necessary for this route of exposure.
First-aid measures after skin contact : No specific first aid necessary for this route of exposure.
First-aid measures after eye contact : No specific first aid necessary for this route of exposure.
First-aid measures after ingestion : No specific first aid necessary for this route of exposure.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : None under normal use.
Symptoms/injuries after skin contact : None under normal use.
Symptoms/injuries after eye contact : None under normal use.
Symptoms/injuries after ingestion : None under normal use.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None known.
Explosion hazard : None known.

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5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

None.

6.3. Methods and material for containment and cleaning up

For containment : No special measures required.

Methods for cleaning up : Recycle product or dispose properly. Dispose of waste in accordance with local, state and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : No special handling required.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : No special storage conditions required.

7.3. Specific end use(s)

X-ray attenuation

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Antimony (7440-36-0)		
USA ACGIH	ACGIH TWA (mg/m ³)	0.5 mg/m ³
USA OSHA	OSHA PEL (TWA) (mg/m ³)	0.5 mg/m ³

8.2. Exposure controls

Appropriate engineering controls : None required under normal product handling conditions.

Hand protection : None required under normal product handling conditions.

Eye protection : None required under normal product handling conditions.

Skin and body protection : None required under normal product handling conditions.

Respiratory protection : None required under normal product handling conditions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Flexible material

Color : Brown or grey

Odor : Vinyl

Odor threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Self ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

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Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: Insoluble
Log Pow	: No data available
Log Know	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

The product is stable at normal handling- and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

When burned or subjected to temperatures in excess of 300oF for excessive time, hydrogen chloride is emitted.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

PVC Plasticizer (Trade Secret)	
LD50 oral rat	> 9750 mg/kg
LC50 inhalation rat (mg/l)	> 4.4 mg/l/4h

Antimony (7440-36-0)	
ATE (oral)	7000000.000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

PVC Plasticizer (Trade Secret)	
LC50 fishes 1	> 0.14 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	> 500 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
LC50 fish 2	> 0.19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 2	> 0.06 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

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PVC Plasticizer (Trade Secret)

EC50 other aquatic organisms 2	> 1.8 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [static])
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12.2. Persistence and degradability

No additional information available

12.3. Bio accumulative potential

PVC Plasticizer (Trade Secret)

BCF fish 1	183.8
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

In accordance with DOT / ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

PVC Plasticizer (Trade Secret)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Antimony (7440-36-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on SARA Section 313 (Specific toxic chemical listings)

SARA Section 313 - Emission Reporting	1.0 %
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15.2. US State regulations

PVC Plasticizer (Trade Secret)

U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Antimony (7440-36-0)

U.S. - Massachusetts - Right to Know List
U.S. - Minnesota - Hazardous Substance List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.