

Issue Date: 04/01/2007
 Last Revision Date: 05/07/2023
 Superseded Date: 03/09/2018
 Version Number: 04

SAFETY DATA SHEET

Product Code: SAFESPECAF

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SECTION 1 PRODUCT IDENTIFICATION

Product Name: Livingstone Protective Safety Goggles Spectacles

SECTION 2 HAZARD IDENTIFICATION

GHS-classification

Physical hazards	Flammable solid	Not classified
Health hazards	Acute toxicity (Oral, Inhalation, Dermal)	Not classified
	Flammable solid	Not classified
	Skin corrosion/irritation	Not classified
	Serious eye damage/eye irritation	Not classified
	Respiratory sensitization	Not classified
	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 toxicity	Not classified
Environmental hazards	Acute aquatic toxicity	Not classified
	Chronic aquatic toxicity	Not classified

*Hazards not stated here are "Not applicable" or "Classification not possible".

Precautionary statement

Prevention	Observe good industrial hygiene practices
Response	Get medical advice/attention if you feel unwell.
Storage	Store in a closed container.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

National/local information See section 15 for regulatory information.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Safety Spectacle

Components	CAS No.	Gazette Notification ENCs No.	ISHL No.
Polycarbonate resin	25971-63-5	(7)-738	(7)-738
Chemical formula:	(C15H16O2.CCl2O) x (25971-63-5)		

Anti-fog Solution

Ingredients	CAS No.
Water	0007732-18-5
Isopropyl Alcohol	67-63-0
Polymer/Solids	Proprietary

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Note: Polymer/Solids components are proprietary, non-hazardous and/or present at amounts below reportable limits.

SECTION 4 FIRST AID MEASURES

In case of inhalation: In case of inhalation of dusts or fumes from heated product: Move injured person into fresh air and keep person calm under observation. Get medical attention if any discomfort continues.

Skin contact: Wash with running water and non-abrasive soap. Get medical attention promptly if symptoms persist or occur after washing. If burned by contact with hot material, cool molten material adhering to skin as quickly as possible with water, and see a physician for removal of adhering material and treatment of burn. Wash contaminated clothing before re-using.

Eye contact: Dust in the eyes: Remove contact lenses. Do not rub eyes. Flush thoroughly with water for at least 15 minutes, keeping eyelids open. If irritation occurs, get medical assistance.

Ingestion: Rinse mouth thoroughly. Large quantities: Get medical attention if symptoms occur.

Expected acute and delayed symptoms: None.

Protection of first-aid responders: First aid personnel must be aware of own risk during rescue.

Notes to physician: Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Extinguishing media to avoid: None.

Specific hazards: During fire, gases hazardous to health may be formed.

Special fire-fighting procedures: Use standard fire-fighting procedures and consider the hazards of other involved materials.

Protection of fire-fighters: Selection of respiratory protection for fire fighting: Follow the general fire precautions indicated in the workplace.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency measures: Avoid inhalation of dust. See Section 8 of the SDS for Personal Protective Equipment.

Environmental precautions: Do not allow to enter drains, sewers or watercourses.

Recovery and neutralization: Collect and dispose of spillage as indicated in Section 13 of the SDS.

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SECTION 7 HANDLING AND STORAGE

Handling

Technical measures: Use explosion-proof electrical equipment if airborne dust levels are high.

Local and general ventilation: Provide adequate ventilation.

Precautions: Use work methods which minimize dust production. Wear appropriate personal protective equipment.

Safe handling advice: Avoid inhalation of dust. Avoid prolonged or repeated contact with skin. Avoid vapors from heated materials to prevent exposure to potentially toxic/irritating fumes.

Storage

Technical measures: Avoid dust formation.

Suitable storage conditions: Store in closed original container in a dry place.

Safe packaging materials: Keep in original container.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures: Provide adequate ventilation.

Personal protective equipment

Respiratory protection: Wear respirator if there is dust formation. When the product is heated, use suitable respiratory equipment with gas filter for organic gas.

Hand protection: For prolonged or repeated skin contact, use suitable protective gloves. When material is heated, wear gloves to protect against thermal burns.

Eye protection: Use tight fitting goggles if dust is generated. If contact with hot material may occur, safety glasses and face shield are recommended.

Skin and body protection: No protection is ordinarily required under normal conditions of use.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

Appearance

Physical state	Solid.
Color	Natural.
Odor	None.
pH	Not applicable.
Melting point/Freezing point	> 240 °C
Boiling point, initial boiling point, and boiling range	Not applicable.
Flash point	> 522 °C
Auto-ignition temperature	> 550 °C
Combustion characteristics (solid, gas)	Not available.

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Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not applicable.
Vapor density	Not available.
Solubility	Insoluble in water.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Other data	
Molecular formula	(C ₁₅ H ₁₆ O ₂ .CCl ₂ O) x (25971-63-5)

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable under normal temperature conditions.
Possibility of hazardous reactions: Will not occur.
Conditions to avoid: None known.
Incompatible materials: No data available.
Hazardous decomposition products: During combustion: Carbon monoxide. Carbon Dioxide.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity: May cause discomfort if swallowed.
Skin corrosion/irritation: No adverse effects due to skin contact.
Serious eye damage/eye irritation: Dust in the eyes will cause irritation. May cause redness and pain.
Respiratory sensitizer: None known.
Skin sensitizer: None known.
Germ cell mutagenicity: None known.
Carcinogenicity: None known.
Toxic to reproduction: None known.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence/degradability: None known.
Bioaccumulation: None known.
Mobility in soil: The product is insoluble in water and will sediment in water systems.
Other hazardous effects: None known.

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SECTION 13 DISPOSAL CONSIDERATIONS

Residual waste: Dispose of waste at a facility with special permission to dispose industrial wastes. Waste should be accompanied by a manifest for the industrial waste. Dispose of in accordance with local regulations. Do not discharge into rivers, lakes, mountains, etc. because the product may affect the environment.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14 TRANSPORT INFORMATION

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

SECTION 15 REGULATORY INFORMATION

Industrial Safety and Health Law

Substances subject to notification: Not regulated.

Substances subject to labelling: Not regulated.

Poisonous and Deleterious Substances Control Law: Not regulated.

Chemical Substances Control Law: Not regulated.

PRTR and Promotion of Chemical Management Law

Class 1 substances (substance name and cabinet order number): Not regulated.

Class 2 substances (substance name and cabinet order number): Not regulated.

Fire service law: Not dangerous goods under Fire Service Law.

SECTION 16 OTHER INFORMATION

The information about colorant is not contained in this SDS.

Reason for Revision: To bring to date.

END OF SDS