

Material Safety Data Sheet

1. Product and Company Identification

Product name	Zero Perm A
Supplier/Manufacturer:	Refer to product technical data sheet
In case of emergency	Polyguard Products, Inc 3801 South Interstate 45 Ennis, TX 75119 Tel: (800) 541-4994
In case of emergency	CHEMTREC, US 1-800-424-9300 International 1-703-527-3887

2. Hazards identification

Physical state:	Solid
Odor:	None
Emergency Overview:	CAUTION! This material may cause skin irritation in some individuals. Slightly irritating to the skin. Wash thoroughly after handling.

Potential acute health effects

Inhalation:	Slightly irritating to respiratory system if heated to a molten state.
Ingestion:	No known significant effects or critical hazards.
Skin:	Slightly irritating to the skin
Eyes:	No known significant effects or critical hazards.

Potential chronic health effects

Chronic effects:	Contains materials that can cause target organ damage.
Carcinogenicity:	No known significant effects or critical hazards
Mutagenicity:	No known significant effects or critical hazards
Teratogenicity:	No known significant effects or critical hazards
Developmental effects:	No known significant effects or critical hazards
Fertility effects:	No known significant effects or critical hazards
Target organs:	Contains materials which cause damage to the following organs: skin

Over-exposure signs/symptoms:	
Inhalation:	No specific data
Ingestion:	No specific data
Skin:	Adverse symptoms may include the following:

Irritation
Redness

Eyes:	No specific data
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Medical conditions aggravated by overexposure:	No known
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See toxicological information (Section 11)

3. Composition/information on ingredients

This product is defined as an “article” per the US code of Federal Regulations 29 CFR 1910.1200 (b) and Reach Regulations (EC) No. 1907/2006 article 3 (3). As such, it will not result in exposure of a hazardous chemical under normal use.

4. First aid measures

Eye contact:	Not likely to occur.
Skin contact:	Wash with soap and water. Get medical attention if symptoms occur.
Inhalation:	Not likely to occur under normal use. Possible exposure to toxic fumes if burned.
Ingestion:	Not likely to occur under normal use.

5. Fire-fighting measures

Flammability of the product:	Aluminum layer will char while Polyester film layers will ignite and continue to burn in normal atmosphere. Burning film may drip and spread fire as it melts.
Extinguishing media:	
Suitable	Water, foam, CO2, or dry chemical
Not suitable	None known
Hazardous thermal decomposition products	Decomposition products may include the following materials: Carbon Dioxide Carbon Monoxide Organic acids Aldehydes Alcohols Other hydrocarbons
Special protective equipment:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode.

6. Accidental release measures

Personal precautions:	No special measures required.
Environmental precautions:	Not applicable
Methods for cleaning up	Due to the physical nature of this product, spills are not possible.

7. Handling and storage

Handling	Like most plastic films, this material can form a static charge. This material can also cause a slip hazard if good housekeeping procedures are not followed.
Storage	Store in original container protected from direct sunlight in a dry cool, dry place.

8. Exposure controls/personal protection

Recommended monitoring procedure:	Not required under normal working conditions.
Engineering measures:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Hygiene measure:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period.

8. Exposure controls/personal protection

Personal protection

Eyes:	Safety glasses
Skin:	None
Respiratory:	A respirator is not needed under normal and intended conditions of use.
Hands:	Gloves
HMIS Code/Personal protective equipment	B
Environmental exposure control	None required under normal handling conditions.

9. Physical and chemical properties

Physical state:	Solid
Melting point	489 F
Flash point	N/A
Appearance	Silver metallic material
Odor	None
VOC	N/A
Solubility:	Insoluble

10. Stability and reactivity

Stability:	The product is stable.
Hazardous polymerization:	None
Conditions to avoid:	None known
Materials to avoid:	None known
Hazardous decomposition:	Toxic gas upon burning or prolong exposure to > 280 C or 536 F.

11. Toxicological information

No data available

12. Ecological information

No data available

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Material as supplied is not classified as a RCRA waste.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to SECTION 7: Handling and Storage and Section 8: Exposure Control / Personal Protection for additional handling information and protection of employees.

14. Transportation information

AERG: Not applicable
Regulatory Information:
DOT/TDG/IMDG/IATA Not regulated

15. Regulatory information

United States

U.S. Federal regulations:

United States inventory (TSCA 8b): All components are listed or exempted.
SARA 302/304/311/312 extremely hazardous substance: No products were found.
SARA 302/304 Emergency Planning and Notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: no products were found.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found
Clean Air Act (CAA) 112 accidental release prevention No products were found.
Clean Air Act (CAA) 112 regulated flammable substances No products were found.
Clean Air Act (CAA) 112 regulated toxic No products were found.

California Prop. 65 No product were found

16. Other information

Label Requirements

None.

References

ANSI Z400.5, MSDS standard, 2004.-Manufacturer's Material Safety Data Sheet- 29CFR Part 1910.1200 OSHA MSDS Requirements.-49 CFR Table List of Hazardous Materials, UN #, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No.2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "ingredient Disclosure List"- Canadian Transport of Dangerous Goods, Regulations and schedules, Clear Language version 2005.

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