

Material Safety Data Sheet

Product name: FLAKES

Date of issue
07/12/2007

According to EC Directive 2001/58/EC

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

Identification of the substance

Product Code: **Flakes (all sizes > .008")**

Use of the substance

Trade Name: **Flakes**

Product Description: Precision cut holographic film particles

Manufactured for: Alsa Corporation
2640 East 37th Street
Vernon, CA 90058
1-323-581-5200

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical nature of the substance

<u>Components</u>	<u>Weight %</u>	<u>CAS-No</u>	<u>EINECS:</u>	<u>EU CLASSIFICATION</u>
Polyethylene Terephthalate	94.00	25038-59-9		
Isobutylphenoxy Epoxy Resin	5.50	67924-34-9		
Aluminum	0.50	7429-90-5		

3. HAZARDS IDENTIFICATION

Skin contact: May cause skin irritation.
Eye contact: May cause eye irritation.
Inhalation: May cause respiratory irritation.
Ingestion: May cause irritation to the digestive tract.



NFPA
Symbol

Rating
0-None
1-Least
2-Slight
3-Moderate
4-High

NFPA: Health – 1 Flammability – 0 Chemical Reactivity – 0

There are no acute or chronic health hazards associated with the use of these products; if, however, these products are either ignited or exposed to elevated temperatures causing decomposition, harmful vapors may be emitted (see Section IV).

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4. FIRST AID MEASURES

- Skin contact:** Rinse skin with soap and water. If irritation persists, consult medical department.
- Eye contact:** In case of eye contact, immediately flush eyes with plenty of water. If irritation persists, consult medical department.
- Inhalation:** If inhaled, remove from area to fresh air. Get medical attention if breathing becomes difficult.
- Ingestion:** Consult a physician if necessary.

5. FIRE-FIGHTING MEASURES

- Flash point:** Not applicable.
- Explosive properties:** None available.
Upper: None established.
Lower: None established.
- Suitable extinguishing media:** Water spray, foam, dry chemical.
- Special protective equipment for firefighters:** Wear self contained breathing apparatus for fire-fighting if necessary.
- Specific methods:** In a fire, cool stored drums and/or tanks with water.

6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up:** If spilled, sweep up and place in proper container for disposal (see section 13).
- Personal precautions:** See section 8.
- Environmental precautions:** Should not be released into the environment.

7. HANDLING AND STORAGE

- Handling:** Normal industrial standards should apply. Always practice good industrial hygiene when using product: avoid contact with hands and mouth, use safety glasses, dust mask and protective clothing as needed.
- Storage:** Store in a dry area, away from excessive heat or sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

- Hand protection:** Rubber gloves. Neoprene gloves.
- Eye protection:** Safety glasses with side-shields.
- Respiratory protection:** Local exhaust or ventilation.
- Skin and body protection:** Long sleeved clothing.
- Hygiene measures:** Do not eat, drink or smoke at work.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

- Physical state:** Solid.
- Appearance:** Prismatic Silver particles.

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Color: Silver with rainbow reflection.
Odor: Mild characteristic.

Other information:

Specific gravity: 1.4
Boiling point: Not established.
Melting Point: 190° C.

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.
Materials to avoid: Avoid contact with acids, alkalis and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

Other information on acute toxicity: No information available.

This product is not considered to be hazardous under normal conditions of use; if inhaled or ingested there are no known adverse affects to be expected, however, in the event of accidental exposure, always seek medical attention.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects: Do not flush into surface water or sanitary sewer system.

Other information: These products are not expected to produce any adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of in accordance with local regulations.

Contaminated packaging: Empty remaining contents. Empty containers should be recycled following local regulations.

EWC waste disposal no: 16 – Wastes not otherwise specified in the catalogue. (See directly below.)

Further information: According to the European Waste Catalogue, waste codes are not product specific, but application specific. Waste Codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORTATION INFORMATION

Not Regulated

Harmonized Freight Code: 3907.30.0000

15. REGULATORY INFORMATION

Indication of Danger: Not dangerous.

SARA: Products do not contain toxic chemicals for routine reporting under Title III Section 313 (40 CFR 372 Community Right To Know).

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TSCA: All components of these products are listed or excluded from listing.

WHMIS Classification (Canada): Not Controlled.

EU Classification: Warning symbol: Not applicable.
Warning word: Not applicable.
Risk Phrases:
R-22: Harmful if swallowed.
R-36/37: Irritating to eyes and respiratory system (under certain conditions).
Safety Phrases:
S-20: When using do not eat or drink
S-22: Do not breathe dust.
S-25: Avoid contact with eyes.
S-26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

The information and recommendations contained herein are based on current available data and believed to be accurate and given in good faith; Alsa Corporation makes no warranty, either express or implied, including fitness and merchantability. Users should consider this data only as a supplement to other information available from all sources, and should incorporate these into programs for the proper use and disposal of these materials and the health and safety of employees and customers.