



Material Safety Data Sheet

Aluminum Roll Up

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aluminum Roll Up & L-banner

Product Code : CGRU-B / CGRU-H / CGRU-RC / CGLB

Supplier Information

Company Name: CGATE GROUP CO., LTD

Address: 7F B1, Junyao International Plaza, No.789 Zhaojiabang Road Shanghai, P.R.C.

Tel: 86-21-64229726/7/8

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Email: Steven@cgategroup.cn

Emergency Telephone: 13061626333

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Preparation

Ingredients Name	Content/%	CAS NO.
Aluminum	92%	7429-90-5
Acrylonitrile Butadiene Styrene	5%	-
Polypropylene film	2%	-
Adhesive film	1%	-

Note: See Section 8 of MSDS for exposure limit data for these ingredients.

The preparation is not classified as dangerous under the Hazard Communication Standard

This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

3. HAZARDS IDENTIFICATION

Emergency Overview

Solid, no odor, non-hazardous

Primary Route(s) of Exposure: Eye contact, skin contact

Potential Health Effects

Acute (short term): May cause irritation or scratch the surface of the eye/skin.



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Chronic (long term): There is no known health effects connected with long term use or contact with this product. See Section 11 of MSDS for more toxicological data.

Potential Environmental Effects: The material should pose no significant hazard to the environment.

4. FIRST AID MEASURES

Skin contact: Wash affected area with soap and water. If symptoms develop seek medical attention.

Eye contact: If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. If symptoms develop seek medical attention.

Inhalation: In case of inhale, move to fresh air immediately. Get medical aid if symptoms persist.

Ingestion: In case of swallow, never give anything by mouth if victim is semi-conscious or unconscious. Immediately wash out mouth with water. Seek IMMEDIATE medical attention.

Note to physicians: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: Not applicable

Explosion limits:

Lower: Not applicable

Upper: Not applicable

Extinguishing Media: use agent most appropriate to extinguish surrounding fire

Fire & Explosion Hazards: There is no fire or explosion hazard of this product.

Fire Fighting Equipment: As in any fire, wear a self-contained breathing apparatus in pressure-demand, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES



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Accidental Release Measures: Sweep up, and then place into a suitable container for disposal.

7. HANDLING AND STORAGE

Handling: Customary personal hygiene measures, such as hands wash after working with these products are recommended.

Storage: Room temperature - standard conditions. Warehouse storage should be in accordance with package directions, if any. Material should be kept dry, and protected from the elements.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls

No special protective measures are necessary for use of this product. Under standard conditions of use is not expected to release, or otherwise result in exposure to a hazardous chemical.

Personal Protection:

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

Skin: Protective garments not normally required. Wear gloves if necessary.

Clothing: Protective garments not normally required.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA or approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure guidelines

Aluminum CAS# 7429-90-5

United States OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid

Color: According to product spec.

Odor: None

Vapour Pressure: Not applicable

PH: Not applicable



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Density (Water= 1):	Aluminum:	2.7
Ignition temperature:	Not applicable	
Explosion limits:	Lower: Not applicable Upper: Not applicable	
Boiling Point:	Not applicable	
Freezing point:	Not applicable	
Flash Point:	Not applicable	
Melting point:	Not applicable	
Solubility in Water:	Not applicable	
Viscosity:	Not applicable	

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage and handling.

Materials to avoid: Strong oxidizing agents, strong acids and strong alkalis.

Conditions to avoid: High temperature

Hazardous decomposition products: oxides of carbon, aluminum oxide, aluminum fumes

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity data

No toxicity data available for this product.

Other information:

IARC: not listed

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No ecotoxicity data available.

Mobility: Not determined.

Biodegradability: No data available.

Bioaccumulation: Not determined



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13. DISPOSAL CONSIDERATIONS

Dispose of waste according to relative regulations. Contact a specialist disposal company or the local authority or advice.

14. TRANSPORT INFORMATION

The preparation is not classified as dangerous

Proper shipping name: NA
Hazard class: Not regulated
Packing group: NA
Identification number: NA

15. REGULATORY INFORMATION

US Federal

TSCA

CAS# 7429-90-5 is listed on the TSCA Inventory.

16. OTHER INFORMATION

Issue Date: Dec. 24, 2007

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

* * * END OF MSDS * * *