



# Material Safety Data Sheet

Aluminum Roll Up

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Aluminum Roll Ups  
**Product Code :** CGRU-B / CGRU-H / CGRU-RC / CGRU-DS  
**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  
**Fax:** 86-21-64229725  
**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

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



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### 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/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Solid
- Color:** According to product spec.
- Odor:** None
- Vapour Pressure:** Not applicable
- PH:** Not applicable
- Density (Water= 1):** Aluminum: 2.7
- Ignition temperature:** Not applicable
- Explosion limits:** Lower: Not applicable



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	Upper: Not applicable
<b>Boiling Point:</b>	Not applicable
<b>Freezing point:</b>	Not applicable
<b>Flash Point:</b>	Not applicable
<b>Melting point:</b>	Not applicable
<b>Solubility in Water:</b>	Not applicable
<b>Viscosity:</b>	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

### 13. DISPOSAL CONSIDERATIONS

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



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### 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 \* \* \*