

MATERIAL DATA SAFETY SHEET

PRODUCT NAME: **CHROMEFX BASECOAT HARDENER**

PRODUCT CODE: **BH712**

DATE: Aug 9, 2007

**SECTION I – MANUFACTURER IDENTIFICATION**

MANUFACTURED FOR : ALSA CORPORATION  
2640 E. 37<sup>th</sup> Street  
Vernon, CA 90058  
Tel: (323)581-5200  
Fax: (323)589-4400

Infotrac Chemical Emergency Response: 800-535-5053/352-323-3500

**SECTION II – COMPOSITION/INFORMATION ON INGREDIENTS**

<u>NAMES</u>	<u>CAS NUMBER</u>	<u>EINECS-No.</u>	<u>CONC.</u>
Hexamethylene-di-isocyanate	822-06-0	212-485-8	0.1 - 1
n-butyl acetate	123-86-4	204-658-1	10 - 25
Hexamethylen-1,6-diisocyanat homopolymer	N/A	N/A	50 - 100

**SECTION III – HAZARDS IDENTIFICATION OF THE PREPARATION**

Danger classification: Xi Irritant

- 10 Flammable
- 43 May cause sensitization by skin contact.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapors may cause drowsiness and dizziness.

**SECTION IV – FIRST AID MEASURES**

General:  
In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

Inhalation:  
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.

Eye contact:  
Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.

Skin contact:  
Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

Ingestion:  
If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

**SECTION V – FIRE-FIGHTING MEASURES**

Extinguishing media:  
Recommended: alcohol resistant foam, CO2, powders, water spray/mist.  
Not to be used: water jet

Recommendations: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow to run-off from fire fighting to enter drains or water courses.

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

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Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses.

Clean preferably with a detergent; avoid use of solvents.

If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

## SECTION VII – HANDLING AND STORAGE

### Handling:

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits.

In addition the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing and floors should be of the conducting type. Keep container tightly closed. Isolate from sources of heat, sparks and open flame. No sparking tools should be used.

Avoid skin and eye contact. Avoid inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding.

Smoking, eating and drinking should be prohibited in application area.

Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws.

### Storage:

Although the storage and use of this product is not subject to specific statutory requirements, observation of the principles of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations as appropriate will be seen as good industrial practice in meeting the general duties of the Health and Safety at Work Act.

Observe label precautions. Store between 10 and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep away from sources of ignition. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.

Examination of lung function should be carried out on a regular basis on persons spraying this preparation.

### Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Air-fed protective respiratory equipment must be worn by spray operator even when good ventilation is provided. In other operations, if local exhaust ventilation and good general extraction are not sufficient to maintain concentrations of particulates and solvent vapor below the OEL, suitable respiratory must be worn. (See Personal Protection).

### Exposure Limits

Occupational exposure limit for :

<u>Names</u>	<u>CAS Number</u>	<u>EINECS-No.</u>	<u>STEL</u>	<u>LTEL</u>
hexamethylene-di-isocyanate	822-06-0	212-485-8	0.02ppm	0.005ppm
n-butyl acetate	123-86-4	204-658-1	200	150 ppm

### Personal Protection

Respiratory protection:

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By spraying: air fed respirator

By other operations other than spraying: in well ventilated areas, air-fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Hand protection:

For prolonged or repeated handling, use: gloves.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection:

Use safety eyewear designed to protect against splash of liquids.

Skin protection:

Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

### General Information

Appearance : Liquid  
Color : colorless  
Odor : characteristic

### Important health, safety and environmental information

Flash point : 95° F DIN 53213  
Ignition Temperature : 370°C  
Lower explosion limit : 1.7 Vol. %  
Upper Explosion limit : 7.6 Vol. %  
Vapor pressure at 20°C : 3 mbar  
Specific gravity at 20°C : 1.07 g/cm<sup>3</sup>  
Solubility in water : insoluble  
Viscosity at 20°C : 160 mPa·s  
Boiling range : 248-262°F

## SECTION X – STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (See section 7). When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

## SECTION XI – TOXICOLOGICAL INFORMATION

There are no data available on the preparation itself. The preparation has been assessed for following the conventional methods of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See Chapter 2 and 15 for details.

Exposure to component solvents vapors concentration in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver, and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

## SECTION XII – ECOLOGICAL INFORMATION

The product should not be allowed to enter drains or water courses. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment.

## SECTION XIII – DISPOSAL CONSIDERATIONS



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**E:** All ingredients are on the inventory or exempt form listing

**P:** One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing

**N:** Not determined or one or more ingredients are not on the inventory and are not exempt from listing

**Federal Regulations**

**Inventory issues:**

All functional components of this product are listed on the TSCA inventory.

**SARA 311/312:**

Fire Hazard:	Yes
Reactive Hazard	Yes
Release of Pressure	No
Active Health Hazard	Yes
Chronic Health Hazard	Yes

**SARA Extremely Hazardous Substance (EHS)/CERCLA Hazardous Substances**

Ingredient	CERCLA/SARA RQ
Butyl acetate	5000 lbs
Hexamethylene Diisocyanate (HDI)	100 lbs

**STATE REGULATIONS:**

This product does not contain any components that are regulated under California Proposition 65

**SECTION XVI – OTHER INFORMATION**

<b>HMIS</b>	
Health	2
Flammability	3
Reactivity	1
Personal Protection	H

The information of this MSDS is based on the present state of our knowledge and on current federal laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product; it is not to be considered as a guarantee of the products' properties.