Material Safety Data Sheet

Product name: MirraColor Black Date: January 1, 2012
Product code: MCBK

1. Identification of the Preparation and Company:

Product code: **MCG**
Product name: 1K basecoat MirraColor Black

Manufactured for: The Alsa Corporation
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Los Angeles, CA 90001
Tel: (323) 581-5200
Fax: (323) 589-4400
Infotrac Chemical Emergency Response: (800) 535-5053 / (352)323-3500

2. Composition/Information of the Preparation:

Chemical Characterization: Polymer resins in organic solvents with aluminum pigments.

Hazardous components with the meaning of EEC directive 67/548 and corresponding classification

NAMES	CAS NUMBER	EINECS-No	CONC
Acetone	67-64-1	200-662-2	2.5-10
Isopropyl Alcohol	67-63-0	200-661-7	50-80
n-Butyl acetate	123-86-4	204-658-1	2.5-10
Aluminum powder	7429-90-5	231-072-3	1-5
Solvent Naphtha, Lt. arom	64742-95-6	265-199-0	2.5-10
Organic Chrome Complex	Trade Secret	Trade Secret	2.5-10

3. Hazards Identification of the Preparation:

Hazards identification:

Xi: Irritant

Particular information pertaining to risk for human and environment:

R10: Flammable

>21 this product easily catches fire if it's exposed to an ignition source.

4. First Aid Measures:

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

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

Eye contact:
Irrigate copiously with clean fresh water for at least 10 minutes holding the eyelids open. Seek medical advice.
Swallowing:
If accidentally swallowed obtain immediately medical attention. Keep at rest. Do NOT induce vomiting.
Inhalation:
Move to fresh air and keep patient warm and at rest. If breathing stops administer artificial respiration. If unconscious, place in recovery position and seek medical advice. Give nothing by mouth.

5. Fire-fighting measures:

Extinguishing media-suitable:
In case of fire, use solvent resistant foam, CO_2, chemical powders or dry extinguishers.

Extinguishing media-NOT suitable:
Water jet.

Special risk posed by the substance, actual preparation, combustion products or gases discharged:
Fire will produce dense black smoke. Exposure to decomposition products or smoke may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from the fire fighting to enter drains or water courses.

Protective equipment:
When extinguishing fires, use a breathing apparatus with an independent source of air.

6. Accidental release measures:

Personal precautions:
Exclude sources of ignition and ventilate the area. Avoid breathing vapors.

Refer to protective measures listed in sections 7 and 8

Environmental precautions:
Do not empty into drains. If the product contaminates lakes, rivers or seaways, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/collections:
Contain and collect spillage with non-combustible absorbent materials, e.g. disposal according to local regulations. Clean preferably with detergent. Avoid use of solvents.

7. Handling and storage:

HANDLING

Information for safe handling:
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electric equipment should be protected to the appropriate standard. Preparation may charge electrostatically. Always use grounding leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. Floors should be of the conduction type. Isolate from sources of heat, sparks, and open flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid contact and inhalation of the vapors and spray mist. Do not eat, drink, or smoke while working. Keep containers closed tightly. Never use pressure to empty (container is not a pressure vessel). Comply with the health and safety at work laws.

Refer to protective measures listed in section 8.

Information about protection against explosion and fire:
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 higher than the occupational exposure minimum.

STORAGE

Storeroom and container requirements:
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 are appropriate. It will be seen as good industrial practice in meeting the general duties of the Health and Safety at Work Act.

Further storage information:
Observe label precaution: Store between 5ºC and 25ºC in dry, well-ventilated place away from source of ignition. Keep away from oxidizing agents, strongly alkaline, and strongly acidic materials. Do not smoke. Prevent unauthorized access. Containers which are opened must carefully be resealed and kept upright to prevent leakage.

8. Exposure controls/Personal protection:

Engineering measures:
Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good extraction. If ventilation is not sufficient to maintain concentrations of parts and solvent vapor below OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.

Occupational exposure limits:

Names	CAS Number	EINECS-No	STEL	LTEL
Propylene Glycol Monomethyl Ether Acetate	108-65-6	203-603-9	100ppm	50ppm
n-Butyl Acetate	123-86-4	204-658-1	200ppm	150ppm
Aluminum powder	7429-90-5	231-072-3	----------	10 mg/m^3 dust
Acetone	67-64-1	200-662-2	1000ppm	750ppm
Petroleum naphtha Lt. arom.	64642-95-6	265-199-0	NE	20ppm
Chromium	Trade Secret	Trade Secret	NE	0.5 mg/m^3

General Personal Protection:

Respiratory protection:
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection:

For prolonged or repeated contact use of barrier creams may help to protect the exposed areas of skin. They should not however be applied once exposure has occurred.

Eye protection:
Use safety eyewear designed to protect against splash of liquids

Skin protection:
Personal should wear antistatic clothing made of nature fiber or high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

9. Physical and chemical properties:

Form: Liquid
Color: Silver
Odor: Characteristic

Flash Point	: -4 ºF
Density at 20ºC	: 0.88 g/ml
Lower explosion limit	: 0.8
Upper explosion limit	: 12.8
Solubility in water	: insoluble

10. Stability and reactivity

Conditions to avoid:
Stabile under recommended storage and handling conditions (See Section 7)

Dangerous decomposition:
None, under recommended use. When exposed to high temperatures, may produce hazardous decomposition products, such as carbon oxides, smoke, nitrogen oxides.

Materials to avoid:
Keep away from oxidizing agents, strong alkaline, and strong acid materials in order to avoid exothermic reactions.

Thermal decomposition:
None, under recommended use.

Dangerous reaction:
None, under recommended use.

11. Toxicological Information:

General:
There is no data available on the preparation itself. Exposure to component and solvent vapors concentration in excess of the stated occupational exposure limit may result in adverse health affect such as mucous membrane and respiratory system irritation and adverse affect on kidney, liver, and central nervous system.

Symptoms and Signs:
Headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of the natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in eyes may cause irritation and reversible damage.

12. Ecological Information:

Water danger class
Do not empty into drains or water. Adopt in working practices so that the product is not released into the environment.

13. Disposal considerations:

Product recommendation:
Do not allow into drains or waterways. Empty containers are to be disposed according to the local and national official regulations currently being enforced.

Disposal class:
AS55512
Used paint, used colors without chemical reaction

Contaminated packaging recommendation:
Contaminated packaging must be emptied of all residues and following appropriate cleaning, may be sent to a recycling plant. Unclean packaging must be disposed of in the same manner as the medium.

14. Transport information:

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

ADR/RID-GGV Class: 3 chiffre: 31c
Transport document: flammable liquid n.o.s.
UN no: 1263
Proper shipping name: Paint and paint related material
Packaging group: II

IMDG/GGVSe Class: 3.2
UN no: 1263
Marine pollutant: no
Proper shipping name: Paint and paint related material

ICAO/IATA Class: 3
Packaging group: II
UN no: 1263
Proper shipping name: Paint and paint related material

15: Regulatory information (88/379/EEC):

The requirements of the Classification Packaging and Labeling of Dangerous Substances Regulations. The product is labeled as follows:

A. **Danger Classification**
XI: Irritant

B. **Contains:**

1) **R-Phrases:**
R11: Highly Flammable

2) **S-Phrases:**
S23: Do not breathe gas, vapor, spray, fumes.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S51: Use only in well-ventilated areas.
S21: Do not smoke while using.
S33: Take precautionary measures against static discharges

U.S. FEDERAL REGULATIONS:

SARA 313: Contains Chromium
SARA 311/312: acute (yes) chronic (no) fire (yes) pressure (no) reactivity (yes)
PROP 65: Not listed
TSCA: all components are listed in the TSCA inventory.

16. Other information:

HMIS Codes:
Health: 2
Flammability: 3
Reactivity: 1
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.