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9718048
9712859
9712860
9708200
9712858 5200100
SCRATCH-FOAM
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Astro-Valcour, Incorporated

18 Peck Avenue/P.O. Box 148
Glens Falls, NY 12801

Telephone 518-793-2524
Fax 518-793-2904
Telex 926447

MATERIAL SAFETY DATA SHEET

Section 1 name & product

emergency phone no.
518/793-2524

street address

(c) 18 PECK AVENUE

for latest data

consult manufacturer

date this information

(d) 11/06/90

city, state, zip code

(e) GLENS FALLS, NY 12801

chemical name, trade name, and synonyms

(f) STANDARD POLYSTYRENE FOAM SHEET

formula of primary component(s)

(g) POLYSTYRENE (C₈H₈)_n

Section 2 ingredients -

SOME SPECIFIC CHEMICAL IDENTITIES BEING WITHHELD AS TRADE SECRETS, BUT WILL BE REVEALED TO HEALTH PROFESSIONALS PER 29 CFR 1910.1200(C)

Polystyrene Resin
N-Pentane
Nucleating Agents
Color Concentrate

TLV
(units)
None
600 PPM
None
None

* Blowing agents are fugitive and rapidly leave product after manufacture.

Section 3 physical data

(not specification values)

2 boiling point (F)	N/A	6 specific gravity	0.03-0.04
3 vapor pressure (mmHg at 20 C)	N/A	7 % volatile by volume	Est. < 5%
4 vapor density (air=1)	N/A	8 color and odor	Varies, none
5 solubility in water	Insoluble	9 physical state	foamed plastic

Section 4 fire and explosion hazard data

10 flash point (and method used)	N/A			11 flammable limits (STP)
12 extinguishing media:	X water	X foam	alcohol foam	L.F.L. N/A U.F.L. N/A
13 special fire fighting protective equipment	fog			X dry chemical

AVOID DENSE SMOKE, USE PRESSURE DEMAND SELF-CONTAINED BREATHING APARATUS

14 unusual fire and explosion hazards

NONE

MATERIAL SAFETY DATA SHEET (page 2)

15 stability normal 16 conditions to avoid
 conditions | | STABLE
 fire
 conditions | |

17 incompatibility water acid base corrosive X oxidising material

18 hazardous decomposition products -
 materials to avoid other
 INCOMPLETE COMBUSTION COULD GENERATE CARBON MONOXIDE & OTHER POTENTIALLY DANGEROUS PRODUCTS

19 hazardous polymerization may occur 20 conditions to avoid
 will not N/A
 occur X

Section 6 health hazard data

21 oral ingestion -
 UNLIKELY DUE TO PHYSICAL STATE, BUT POTENTIAL CHOKING HAZARD

22 eye contact -
 SOLID OR DUST COULD CAUSE IRRITATION, BUT ONLY FROM MECHANICAL ABRASION

23 skin contact -
 ESSENTIALLY NON-IRRITATING

24 skin absorption -
 UNLIKELY DUE TO PHYSICAL STATE

25 inhalation (TLV or suggested control figure) -
 IF DUST CREATED TREAT AS NUISANCE DUST

26 effects of overexposure -
 NONE EXPECTED UNDER CONDITIONS OF NORMAL USE

27 first aid procedures -
 FOLLOW NORMAL FIRST AID PROCEDURES SUCH AS THOSE RECOMMENDED BY THE RED CROSS



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MATERIAL SAFETY DATA SHEET (page 3)

Section 7 spill or leak procedures
28 steps to take in case material is released or spilled -

TREAT & HANDLE AS INERT MATERIAL

29 disposal method -

DISPOSE AS WOULD ANY BASICALLY INERT MATERIAL, IN ACCORDANCE WITH STATE, FEDERAL & LOCAL REGULATIONS.

Section 8 special protection information

30 ventilation local exhaust - RECOMMENDED IF DUST CREATED

OVER THERMAL CUTTING OPERATIONS & TO CONTROL POTENTIAL FUGITIVE RELEASE OF RESIDUAL BLOWING AGENT FROM CUTTING & GRINDING OPERATIONS.

mechanical (general) - RECOMMENDED IN CONFINED STORAGE AREAS TO PREVENT BUILDUP OF BLOWING AGENT

31 respiratory protection (specify type)

NONE LIKELY TO BE NEEDED. FOR DUST USE NIOSH APPROVED PARTICULATE RESPIRATOR.

32 protective clothing -

NONE REQUIRED

33 eye

not normally necessary

X

safety glasses without side shields

safety glasses with side shields

chemical workers goggles

gas tight goggles or equivalent

other

34 other protective equipment

NONE REQUIRED

Section 9 special precautions or other comments

35 precautions to be taken in handling and storing -

THIS PRODUCT MAY CONTAIN TRACES OF FLAMMABLE BLOWING AGENT AND SHOULD BE STORED IN WELL VENTILATED AREAS TO PREVENT BUILDUP OF FLAMMABLE VAPORS. ALSO CONSIDER HUMIDITY CONTROL TO MAINTAIN RELATIVE HUMIDITY ABOVE 40% NEAR CUTTING & GRINDING OPERATIONS.

36 other precautions or comments -

THIS PRODUCT IS NOT CONSIDERED TO CONTAIN ANY TOXIC CHEMICALS SUBJECT TO REPORTING REQUIREMENTS OR SARA TITLE III - 40 CFR372.

MATERIAL SAFETY DATA SHEET

OSHA 101-107-1007
crayon
MIX

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Required under USDL Safety and Health Regulations for Ship Repairing,
 Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME		EMERGENCY TELEPHONE NO.
		717-454-3596
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS
MIXTURE		CRAYON MIX
CHEMICAL FAMILY	FORMULA	
MIXTURE	CRAYON MIX	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS		%	TLV (Units)	ALLOYS AND METALLIC COATINGS		%	TLV (Units)
PIGMENTS				BASE METAL			
CATALYST				ALLOYS			
VEHICLE				METALLIC COATINGS			
SOLVENTS				FILLER METAL PLUS COATING OR CORE FLUX			
ADDITIVES				OTHERS			
OTHERS							
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES						%	TLV (Units)
NON-TOXIC							

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	1.7
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	negligible		
APPEARANCE AND ODOR	various colors. Essentially none		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	carbon dioxide, sand, or foam			
SPECIAL FIRE FIGHTING PROCEDURES	handle the same as any fire			
UNUSUAL FIRE AND EXPLOSION HAZARDS	do not store with strong oxidizers			

SECTION V - HEALTH HAZARD DATA	NON-TOXIC
THRESHOLD LIMIT VALUE	
EFFECTS OF OVEREXPOSURE	
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY <i>(Materials to avoid)</i>			
Solvents will dissolve			
HAZARDOUS DECOMPOSITION PRODUCTS			
carbon monoxide in case of incomplete combustion			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
RECOVER-FREE PRODUCT.	
WASTE DISPOSAL METHOD	
DISPOSE OF ACCORDING TO LOCAL REGULATIONS.	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION <i>(Specify type)</i>			
NONE			
VENTILATION	LOCAL EXHAUST	SPECIAL	
	NONE	MECHANICAL <i>(General)</i>	OTHER
PROTECTIVE GLOVES	NONE	EYE PROTECTION	SAFETY GLASSES
OTHER PROTECTIVE EQUIPMENT			
NONE			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
STORE IN COOL, DRY PLACE	
OTHER PRECAUTIONS	



JUL '00 16:37 ACLA



DIVISION BIENS DE CONSUMMATION DU GROUPE BUREAU VERITAS

TOTAL CADMIUM ANALYSES

Date: March 20, 2000
 Recipient: Mrs. SHANA'A ZOGHEIB
 Company: ACLA - Sari
 Address: 2 Rue Ampère
 94200 IVRY SUR SEINE
 FRANCE
 Sample ID: Multicolor board

Page: 1 of 1
 Report No.: (5400)012-0006
 Date received: January 12, 2000
 Reference No.: Not Available
 Supplier: Scratch-Art Co.
 Origin: United States
 Material(s): Coatings / Paint
 Paper / Cardboard

RESULTS :

<u>SAMPLE</u>	<u>RESULT</u>	<u>PASS / FAIL</u>
B Black coating	LT 5	PASS
C Yellow coating	LT 5	PASS
D Blue coating	LT 5	PASS
E Red coating	LT 5	PASS

Results are reported as milligrams per kilogram (mg/kg)(ppm)
 LT= Less Than
 Limit: 100 mg/kg

CONCLUSION:

The sample **COMPLIES** with the requirements of the Council Directive 91/338/EEC dated June 18, 1991 and with the requirements of "TITLE II : CADMIUM AND ITS COMPOUNDS" of the French Decree No. 94-647 dated July 27, 1994 related to the limitation on the marketing and the use of cadmium and of their compounds.

ACTS TESTING LABS

Dominique Billeret,
R & D Manager

ACTS Laboratoire d'Essais, SARI.
 Les Peupliers, 17 rue du Vertuquet
 59960 Neuville en Herain, France
 Tel (33) 03.20.46.34.56 Fax (33) 03.20.46.34.67
 www.acts-testing.com

Nous sommes agréés par le Ministère de l'Industrie, du Commerce et de l'Énergie, en vertu de l'arrêté du 15 Mars 1995 (N° 1533) relatif à la certification des organismes de contrôle de la qualité des produits et services. Nos rapports sont basés sur les données fournies par le client et nous ne sommes pas responsables des erreurs de fait ou de droit qui pourraient résulter de l'utilisation de nos rapports. Les résultats sont fournis sous réserve de la vérification de la conformité des échantillons analysés. Les résultats sont fournis sous réserve de la vérification de la conformité des échantillons analysés. Les résultats sont fournis sous réserve de la vérification de la conformité des échantillons analysés. Les résultats sont fournis sous réserve de la vérification de la conformité des échantillons analysés.

SARI au capital de 50 000 € - RCS Roubaix-Tourcoing B 380 126 795