

05/09/2001 14:07 5/20/13/00

61738-1001**M A T E R I A L S A F E T Y D A T A S H E E T****PRODUCT NAME:** EXTRA HEAVY TACKY GLUE**SECTION I****MANUFACTURER'S NAME:****ADDRESS:****EMERGENCY TELEPHONE NUMBER:** 1-800-445-0609**INFORMATION TELEPHONE NUMBER:****DATE PREPARED:** 1-2-89**SECTION II- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

NONE

SECTION III- PHYSICAL/CHEMICAL CHARACTERISTICS**BOILING POINT:** 100°C**VAPOR PRESSURE:** N/A

(mm Hg)

VAPOR DENSITY: N/A

(air=1)

SOLUBILITY IN WATER: 100%**SPECIFIC GRAVITY:** 1.1(H₂O=1)**MELTING POINT:** N/A**EVAPORATION RATE:** N/A

(butyl acetate=1)

APPEARANCE: White, mobile liquid**ODOR:** Pleasant, sweet**SECTION IV- FIRE AND EXPLOSION HAZARD DATA****FLASH POINT:** None**METHOD USED:** N/A**FLAMMABLE LIMITS:** N/A**LEL:****UEL:****EXTINGUISHING MEDIA:** For dry polymer use water or carbon dioxide**UNUSUAL FIRE AND EXPLOSION HAZARDS:** NONE

SECTION V- REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Avoid freezing

INCOMPATIBILITY: Products will react violently w/any water sensitive material such as sulfuric acid or alkali materials

HAZARDOUS DECOMPOSITION PRODUCTS:

NONE

HAZARDOUS POLYMERIZATION:

NONE

SECTION VI- HEALTH HAZARD DATA

EYES: Flush with copious amounts of water

SKIN: Wash with soap and water

INHALATION: Use normal safety procedures

INGESTION: At least several ounces, induce vomiting and call doctor

HEALTH HAZARDS: NONE

SIGNS AND SYMPTOMS OF EXPOSURE: NONE

CARCINOGENICITY: N/A

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE-Do not take internally

EMERGENCY AND FIRST AID PROCEDURES: EYES-- Flush with water

SKIN--Wash w/soap and water **INGESTED--**Induce vomiting

SECTION VII- PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE OF SPILL: Dam up to limit spreading. Absorb on inert materials & throw away. If spilled in enclosed area, ventilate. Polymer may be separated from water by adding or alum.(VERY SLIPPE

WASTE DISPOSAL METHOD: Small spills(less than 100 gal) dilute with 50 to 100 fold with water, wash into sewer. (WARNING! CONTACT LOCAL SEWER CO)

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in cool place, avoid freezing, minimize contact with air to prevent inoculation with microorganisms

OTHER PRECAUTIONS: NONE

SECTION VIII- CONTROL MEASURES

RESPIRATORY PROTECTION: N/A

VENTILATION: Use adequate ventilation

LOCAL EXHAUST: N/A

MECHANICAL: N/A

PROTECTIVE GLOVES: Rubber protective gloves are recommended

EYE PROTECTION: Use safety goggles when splash potential exists

OTHER PROTECTIVE EQUIPMENT: N/A

WORK/HYGIENE PRACTICES: Normal cleanliness should be observed

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: N/A

VENTILATION: Use adequate ventilation

LOCAL EXHAUST: N/A

MECHANICAL: N/A

PROTECTIVE GLOVES: Rubber protective gloves are recommended

EYE PROTECTION: Use safety goggles when splash potential exists

OTHER PROTECTIVE EQUIPMENT: N/A

WORK/HYGIENE PRACTICES: Normal cleanliness should be observed

SECTION IX - DISCLAIMER

DISCLAIMER

TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE, OBTAINED FROM SOURCES BY RIDLEN MFG., INC. TO BE ACCURATE. SINCE THE CONDITIONS AND METHODS OF USE OF OUR PRODUCT ARE BEYOND OUR CONTROL, WE DISCLAIM ANY AND ALL LIABILITY ARISING OUT OF THE USE OF THIS PRODUCT OR THE INFORMATION PROVIDED HEREIN.



-TEST REPORT

CLIENT :
THE CHENILLE KRAFT COMPANY
P.O. Box 269,
65 Ambrogio Drive,
Gurnee, IL 60031,
U.S.A.

REPORT NO. : T1981277

DATE : May 05, 1998

Page 1 of 6

Attn. : Mr. Brent Siegel / Mr. Pat Muller
Cc. : Kristy Wong - Greensward Co., Ltd.
Sue DeRagon - Springborn Testing & Research, Inc.

SAMPLE DESCRIPTION :

Submitted one (1) set of Mosaic Tile Kit samples with retail packaging. ***

Date(s) of test : April 23 - May 04, 1998.
Sample received date : April 23, 1998.

TEST REQUESTED : Physical and Mechanical Test (According to age grade from five years and up), Flammability Test and Toxic Elements Analysis.

TEST METHOD : Applicable sections of ASTM F963-96a, 16 CFR 1500, 16 CFR 1303, In-House Method SLIHT002 and CONEG Model Toxic Legislation 1996 & Wet Ashing Method.

TEST RESULT : Please refer to the next page(s).

CONCLUSION :

The physical and mechanical test conducted on the submitted Mosaic Tile Kit samples COMPLIED with the requirements as stated in ASTM F963-96a and 16 CFR 1500.

The flammability test conducted on the submitted Mosaic Tile Kit samples COMPLIED with the requirements as stated in ASTM F963-96a Section 4.2 & Annex A5 and 16 CFR 1500.3 (c) (6) (vi).

The toxic elements analysis conducted on the surface coating and packaging material on submitted Mosaic Tile Kit samples COMPLIED with the requirements as stated in ASTM F963-96a section 4.3.5, 16 CFR 1303 and CONEG Model Toxic Legislation 1996 & Wet Ashing Method.


REMARK : THE RESULTS RELATE ONLY TO THE SAMPLES TESTED.

***** End of Page 1 of 6 *****

For and on behalf of
Springborn Testing & Research (H.K.) Ltd.

Authorized by
Springborn Testing & Research (H.K.) Ltd.


Y. C. Chan
Assistant Project Manager
Toys and Premiums Department


Daniel Liao
Manager
Toys and Premiums Department

Copyright of this report is owned by the Springborn Testing & Research (H.K.) Ltd. and may not be reproduced other than in full except with the written document of the issuing Company.
See Reverse For Terms And Conditions Of Service

16/F. & 17/F., Tower B, Regent Centre, 63 Wo Yi Hop Rd., Kwai Chung, N.T., Hong Kong. Tel.: (852) 2423 - 3092 Fax.: (852) 2460 - 5436
Toys (Tel.: 2410 - 0054 / Fax.: 2401 - 6520) Softline: TeXtile (Tel.: 2410 - 0083 / Fax.: 2460 - 5464)

TEST REPORT

CLIENT :
 THE CHENILLE KRAFT COMPANY
 P.O. Box 269,
 65 Ambrogio Drive,
 Gurnee, IL 60031,
 U.S.A.

REPORT NO. : T1981277

DATE : May 05, 1998

Page 2 of 6

TEST RESULT :

1. PHYSICAL AND MECHANICAL TEST (Applicable sections of ASTM F963-96a and 16 CFR 1500)

1.1 IMPACT TEST (ASTM F963-96a Section 8.7.1 and 16 CFR 1500.53)

Requirement : No hazardous sharp points, sharp edges and small parts shall result from 4 drops onto a type IV vinyl composition tile covered on a concrete floor from a height of 3 feet.

Result : 1 set of tested samples passed this requirement.

1.2 TORQUE AND TENSION TEST (ASTM F963-96a Section 8.8 & 8.9 and 16 CFR 1500.53)

Requirement : No potentially hazardous sharp points and sharp edges shall be detected after applying a twisting force of 4 inch pound for 10 seconds in clockwise and anticlockwise direction and a pulling force of 15 pounds for 10 seconds in two perpendicular direction.

Result : 1 set of tested samples passed this requirement.

1.3 SHARP POINTS TEST (ASTM F963-96a Section 4.8 and 16 CFR 1500.48)

Requirement : Samples shall not have accessible, potentially hazardous sharp points before and after use and abuse tests.

Result : 1 set of tested samples passed this requirement.

1.4 SHARP EDGES TEST (ASTM F963-96a Section 4.7 and 16 CFR 1500.49)

Requirement : Samples shall not have accessible, potentially hazardous sharp edges before and after use and abuse tests.

Result : 1 set of tested samples passed this requirement.

***** + End of Page 2 of 6 + *****

Copyright of this report is owned by the Springborn Testing & Research (HK) Ltd. and may not be reproduced other than in full except with the written document of the issuing Company.
 See Reverse For Terms And Conditions Of Service

16/F. & 17/F., Tower B, Regent Centre, 63 Wo Yi Hop Rd., Kwai Chung, N.T., Hong Kong. Tel.: (852) 2423 - 3092 Fax.: (852) 2480 - 5436
 Toys (Tel.: 2418 - 8054 / Fax.: 2481 - 6520) Softline Textile (Tel.: 2418 - 8083 / Fax.: 2480 - 5464)

TEST REPORT

CLIENT :
 THE CHENILLE KRAFT COMPANY
 P.O. Box 269,
 65 Ambrogio Drive,
 Gurnee, IL 60031,
 U.S.A.

REPORT NO. : T1981277

DATE : May 05, 1998

Page 3 of 6

TEST RESULT :

1. PHYSICAL AND MECHANICAL TEST (Applicable sections of ASTM F963-96a and 16 CFR 1500)

1.5 SAFETY LABELING REQUIREMENTS (ASTM F963-96a Section 5)

1.5.1 FEDERAL GOVERNMENT REQUIREMENTS (ASTM F963-96a Section 5.1)

Requirement : All toys shall conform to the labeling requirement of the U.S. Federal Hazardous Substances Act (FHSA).

Result : 1 set of tested samples passed this requirement.

1.5.2 AGE GRADING (ASTM F963-96a Section 5.6)

Requirement : Toys that are subject to any of the requirements of this specification should be labeled to indicate the minimum age for intended use or have such labeling on any retail packaging.

Observation : Age grading was specified as five years and up.

1.5.3 SMALL OBJECTS, SMALL BALLS, MARBLES AND BALLOONS (ASTM F963-96a Section 5.10)

Requirement : The safety label shall meet the requirements specify in ASTM F963-96a section 5.10.

Result : 1 set of tested samples passed this requirement.

Remark : It is highly recommended that the triangle and signal word of small part warning label to be on the same line.

1.6 INSTRUCTIONAL LITERATURE (ASTM F963-96a Section 6)

1.6.1 GENERAL REQUIREMENT (ASTM F963-96a Section 6.1)

Requirement : Information and instructions provided shall be easy to read and understand by persons of the age level for whom the instructions and information are intended.

Result : 1 set of tested samples passed this requirement.

***** End of Page 3 of 6 *****

Copyright of this report is owned by the Springborn Testing & Research (H.K.) Ltd. and may not be reproduced other than in full except with the written document of the issuing Company.
 See Reverse for Terms and Conditions of Service

16/F. & 17/F., Tower B, Regent Centre, 63 Wo Yi Hop Rd., Kwai Chung, N.T., Hong Kong. Tel.: (852) 2423 - 3092 Fax.: (852) 2480 - 5436
 Toys (Tel.: 2410 - 0054 / Fax.: 2481 - 6520) Softline: Textile (Tel.: 2410 - 8003 / Fax.: 2480 - 5464)

**STR**

SPRINGBORN TESTING & RESEARCH (H.K.) LTD.

TEST REPORT

CLIENT :
 THE CHENILLE KRAFT COMPANY
 P.O. Box 269,
 65 Ambrogio Drive,
 Gurnee, IL 60031,
 U.S.A.

REPORT NO. : T1981277
 DATE : May 05, 1998

Page 4 of 6

TEST RESULT :

1. PHYSICAL AND MECHANICAL TEST (Applicable sections of ASTM F963-96a and 16 CFR 1500)

1.7 PRODUCERS MARKINGS (ASTM F963-96a Section 7)

Requirement : Either a principal component of a toy or the package of a toy shall be marked with the name and address of the producer or the distributor.

Result : 1 set of tested samples passed this requirement.

2. FLAMMABILITY TEST (ASTM F963-96a Section 4.2 and Annex A5 and 16 CFR 1500.44)

Requirement : Burning rate should not exceed 0.1 inch per second along the major axis.

Result : Average burning rate of samples :

Glue	= 0.01 inch per second.
Card	= 0.06 inch per second.
White foam	= Did Not Ignite.
Red foam	= Did Not Ignite.
Yellow foam	= Did Not Ignite.
Blue foam	= Did Not Ignite.
Black foam	= Did Not Ignite.
Orange foam	= Did Not Ignite.
Purple foam	= Did Not Ignite.
Flesh foam	= Did Not Ignite.
Brown foam	= Did Not Ignite.
Light green foam	= Did Not Ignite.
Dark green foam	= Did Not Ignite.

3. TOXIC ELEMENTS ANALYSIS

Key to the samples :

Sample A = Surface coating on grid board + Surface coating on glue bottle

Sample B = Glue

Sample C = Surface coating on grid board

Sample D = Surface coating on bottle

Sample E = Glue

***** * End of Page 4 of 6 * *****
 Copyright of this report is owned by the Springborn Testing & Research (H.K.) Ltd. and may not be reproduced other than in full except with the written document of the issuing Company.
 See Invoicing For Terms And Conditions Of Service

16/F. & 17/F., Tower B, Regent Centre, 63 Wo Yi Hop Rd., Kwai Chung, N.T., Hong Kong, Tel.: (852) 2423 - 3092 Fax.: (852) 2480 - 5436
 Toys (Tel.: 2410 - 0054 / Fax.: 2401 - 6520) Softline Textile (Tel.: 2410 - 8003 / Fax.: 2480 - 5464)

TEST REPORT

CLIENT :
 THE CHENILLE KRAFT COMPANY
 P.O. Box 269,
 65 Ambrogio Drive,
 Gurnee, IL 60031,
 U.S.A.

REPORT NO. : T1981277

DATE : May 05, 1998

Page 5 of 6

TEST RESULT :

3. TOXIC ELEMENTS ANALYSIS

3.1 TOTAL LEAD CONTENT TEST : IN-HOUSE METHOD SLIHT002

	<u>Limits</u>	<u>Sample A</u>	<u>Sample B</u>
Total Lead	< 600	59.4	34.5

All concentrations expressed in ppm (parts per million)
 "<" means "less than"

Remark : The limit is not applicable to composite samples.

3.2 SOLUBLE MIGRATED ELEMENT CONTENT TEST : TEST ACCORDING TO ASTM F963-96a SECTION 4.3.5 & 8.3.

	<u>Limits</u>	<u>Sample C</u>	<u>Sample D</u>	<u>Sample E</u>
Soluble Antimony	< 60	< 2.0	< 2.0	< 2.0
Soluble Arsenic	< 25	< 2.0	< 2.0	< 2.0
Soluble Barium	<1000	2.0	3.0	< 1.5
Soluble Cadmium	< 75	< 1.5	< 1.5	< 1.5
Soluble Chromium	< 60	1.5	< 1.5	< 1.5
Soluble Lead	< 90	28.5	< 5.0	< 5.0
Soluble Mercury	< 60	2.0	< 2.0	< 2.0
Soluble Selenium	< 500	< 7.0	< 7.0	< 7.0

All concentrations expressed in ppm (parts per million)
 "<" means "less than"

REMARK :

- Method for determination of each element present
 - Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury and Selenium are determined Inductively Coupled Plasma Spectroscopy.
- For sample C and D, the sample weight used were 0.0790 and 0.0212 gram per piece respectively.

***** * End of Page 5 of 6 * *****

Copyright of this report is owned by the Springborn Testing & Research (H.K.) Ltd. and may not be reproduced other than in full except with the written document of the issuing Company.
 See Reverse For Terms And Conditions Of Service

16/F. & 17/F., Tower B, Regent Centre, 63 Wo Yi Hip Rd., Kwai Chung, N.T., Hong Kong. Tel.: (852) 2423 - 3092 Fax.: (852) 2460 - 5436
 Toys (Tel.: 2410 - 8054 / Fax.: 2401 - 6520) Golfline: Textline (Tel.: 2410 - 8093 / Fax.: 2400 - 5464)

TEST REPORT

CLIENT :
 THE CHENILLE KRAFT COMPANY
 P.O. Box 269,
 65 Ambrogio Drive,
 Gurnee, IL 60031,
 U.S.A.

REPORT NO. : T1981277

DATE : May 05, 1998

Page 6 of 6

TEST RESULT :

3. TOXIC ELEMENTS ANALYSIS

3.3 HEAVY METAL CONTENT TEST : CONEG MODEL TOXIC LEGISLATION 1996 & WET ASHING METHOD

Key to the samples :

Sample 1 = Gift box
 Sample 2 = Polybag
 Sample 3 = White inner card board
 Sample 4 = Adhesive tapes
 Sample 5 = Black printings on inner cardboard

	Limits	Sample 1	Sample 2	Sample 3	Sample 4
Total Cadmium	< 100	< 2.5	< 2.5	< 2.5	< 2.5
Hexavalent Chromium	< 100	< 2.5	< 2.5	< 12.5	< 2.5
Total Lead	< 100	5.5	5.5	< 25.0	< 5.0
Total Mercury	< 100	< 1.0	< 1.0	< 5.0	< 1.0
Pb + Cd + Hg + Cr	< 100	< 11.5	< 11.5	< 55.0	< 11.0

	Limits	Sample 5
Total Cadmium	< 100	< 2.5
Hexavalent Chromium	< 100	< 2.5
Total Lead	< 100	14.9
Total Mercury	< 100	< 1.0
Pb + Cd + Hg + Cr	< 100	< 20.9

All concentrations expressed in ppm (parts per million)
 "<" means "less than"

***** * End of Page 6 of 6 * *****
 /aw

Copyright of this report is owned by the Springborn Testing & Research (H.K.) Ltd. and may not be reproduced other than in full except with the written consent of the issuing Company.
 See Reverse For Terms And Conditions Of Service

16/F. & 17/F., Tower B, Regent Centre, 63 Wo Yi Hop Rd., Kwai Chung, N.T., Hong Kong. Tel.: (852) 2423 - 3092 Fax: (852) 2480 - 5436
 Toys (Tel.: 2410 - 0054 / Fax: 2481 - 5520) Softline Textile (Tel.: 2410 - 0083 / Fax: 2480 - 5464)