Hong Kong Government Recognized Service Supplier
Approved Laboratory of The Woolmark Company
Members of :
American National Standards Institute
American Society for Testing and Materials
British Standards Institute
Hong Kong Association of Certification Laboratories
Hong Kong Toys Council

TEST REPORT NUMBER: HJ0044400301

APPLICANT: SNOWMASTERS
3481 SNOWMASTER LANE
ANDERSON
AL 35610
USA

DATE: May 26, 2006

SAMPLE DESCRIPTION:
ONE (1) SUBMITTED SAMPLE SAID TO BE **4 FL. OZ. SNOW FLAKE CONCENTRATE SOLUTION (1:32 CONCENTRATION).**
REFERENCE NO. : **SF-1C.**
QUANTITY : ONE SET OF FORMULAION.
COUNTRY OF ORIGIN : CHINA.
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TESTS CONDUCTED:
AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)
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CONCLUSION:
BASED ON THE REVIEW TO US REQUIREMENTS, IT IS THE TOXICOLOGIST'S OPINION THAT THIS PRODUCT WOULD BE SAFE WHEN USED AS INTENDED.
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FOR AND ON BEHALF OF :
INTERTEK TESTING SERVICES HK LTD.

KAREN S.C. NG
GENERAL MANAGER

Intertek Testing Services Hong Kong Ltd.
2/F., Garment Centre, 576 Castle Peak Road, Kowloon, Hong Kong.
Tel: (852) 2173 8888 Fax: (852) 2786 1903

TEST REPORT NUMBER: HJ0044400301

TESTS CONDUCTED

1 TOXICOLOGICAL RISK ASSESSMENT

PRODUCT INFORMATION:
PRODUCT DESCRIPTION - SNOW FLAKE CONCENTRATE SOLUTION
PRODUCT CLASS - GENERAL PRODUCT
NET CONTENT / CONSUMER PRODUCT - 4 FLUID OUNCES
INFORMATION - A QUANTITATIVE LIST OF THE INGREDIENTS

REGULATORY REFERENCES:
"U.S. FEDERAL HAZARDOUS SUBSTANCES ACT (FHSA) (16 CFR 1500.3(b)(5-9))"

SOURCES OF TOXICITY INFORMATION:
"COMPUTERIZED SEARCHES OF THE NATIONAL LIBRARY OF MEDICINE'S TOXICOLOGICAL DATABASES"

ASSESSMENT METHODOLOGY:
THE RISK ASSESSMENT WAS CONDUCTED USING MODIFIED PROCEDURES RECOMMENDED BY THE NATIONAL ACADEMY OF SCIENCES AND FREQUENTLY USED BY REGULATORY AGENCIES.

EXPOSURE ASSESSMENT:
THIS CONCENTRATE SOLUTION WILL BE DILUTED WITH 32 EQUAL VOLUMES OF WATER AND THE DILUTED MATERIAL IS ASSUMED TO MAKE FREQUENT CONTACT WITH THE SKIN ON THE HANDS AS MULTIPLE EXPOSURE EVENTS WHEN THIS PRODUCT IS USED AS INTENDED (BY ADULTS ONLY). UNINTENDED USES OF THIS CONCENTRATE SOLUTION AND/OR HIGH CONCENTRATIONS OF IT IN WATER CONTACTING WITH SKIN AS MULTIPLE EXPOSURE EVENTS AND/OR MAKING OCCASIONAL CONTACTS WITH THE EYE AND INGESTION AS SINGLE EXPOSURE EVENTS. BECAUSE THIS SOLUTION CONTAINS NO VOLATILE INGREDIENTS, INHALATION EXPOSURE WAS NOT ADDRESSED IN THIS ASSESSMENT. THE INGREDIENT IN THIS PRODUCT IS ASSUMED TO CONTAIN NO CONTAMINANTS AT LEVELS THAT WOULD BE TOXIC, CORROSIVE, IRRITATING, OR CAUSE A SENSITIZATION REACTION IN A CONSUMER WHO MAY BE EXPOSED.

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TOXICITY ASSESSMENT:

SEARCHES OF THE SOURCES OF TOXICITY INFORMATION CITED ABOVE PROVIDED NO INFORMATION TO SUGGEST THAT ANY OF THE INGREDIENTS AT LEVELS FOUND IN THIS DILUTED PRODUCT WOULD BE EXPECTED TO CAUSE ACUTE OR CHRONIC TOXICITY, BE CORROSIVE OR IRRITATING OR CAUSE A SENSITIZATION (ALLERGIC) REACTION IN CONSUMERS WHO MAY USE THIS PRODUCT AS INTENDED. HOWEVER, THE CONCENTRATED SOLUTION CONTAINS THREE ANIONIC DETERGENTS (SODIUM LAURETH SULFATE, LAURAMIDOPROPYL BETAINE AND COCAMIDE DEA) AT A COMBINED LEVE OF 27.4% WHICH HAVE BEEN REPORTED TO IRRITATE THE SKIN (ESPECIALLY AFTER REPEATED OR PROLONGED EXPOSURES OR CONTACT WITH BROKEN SKIN) AND EYES. FOR THIS REASON, DIRECT CONTACTS WITH THE CONCENTRATED SOLUTION MAY BE EXPECTED TO BE IRRITATING TO THE SKIN (ESPECIALLY BROKEN OR UNHEALTHY SKIN) AND EYES (ESPECIALLY IF IT WERE TO BE RUBBED INTO THE EYES). INGESTED CONCENTRATE MAY ALSO IRRITATE THE LINING OF THE GASTROINTESTINAL TRACT WHICH MAY CAUSE NAUSEA, VOMITING AND DIARRHEA. THIS SOLUTION WOULD NOT BE EXPECTED TO CAUSE A SENSITIZATION (ALLERGIC) REACTION IN THE VAST MAJORITY OF INDIVIDUALS IN THE GENERAL POPULATION.

RISK ASSESSMENT:

SINCE NONE OF THE INGREDIENTS IN THIS PRODUCT WOULD BE EXPECTED TO CAUSE SIGNIFICANT ACUTE OR CHRONIC TOXICITY VIA DERMAL CONTACT OR INGESTION, OR BE CORROSIVE OR IRRITATING TO THE SKIN OR EYES, OR BE A SENSITIZER. IT IS THE TOXICOLOGIST'S OPINION THAT THE USE OF THIS DILUTED PRODUCT POSES NO SIGNIFICANT RISK TO CONSUMERS.

HOWEVER, THE ANIONIC DETERGENTS IN THE CONCENTRATED SOLUTION AT A COMBINED LEVEL OF 27.4% OR ANIONIC DETERGENTS IN IMPROPERLY DILUTED MATERIAL, MAY BE IRRITATING TO THE SKIN, EYES AND MUCOUS MEMBRANES (INCLUDING THE LINING OF THE GASTROINTESTINAL TRACT; INGESTED MATERIAL MAY CAUSE NAUSEA, VOMITING AND DIARRHEA) ON CONTACT. A POSSIBILITY EXISTS THAT ONE OR MORE OF THE INGREDIENTS IN THIS MATERIAL COULD CAUSE AN ALLERGIC REACTION IN A FEW PERSONS WHO MAY BE SENSITIZED TO THOSE SUBSTANCES. SUCH AN EVENT, WHILE EXPECTED TO BE RARE, CANNOT BE ABSOLUTELY RULED OUT.

DATE INFORMATION RECEIVED : MAY 22, 2006
ASSESSMENT PERIOD : MAY 23, 2006 TO MAY 26, 2006

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END OF REPORT

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