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Safety Data Sheet Silk Black MX 610

Section 1: PRODUCT INFORMATION

Trade name: Silk Black MX 610
Chemical name: Azo dye
Synonyms: Reactive blue dye
Date Revised: 08/27/15
HMIS Code: 2-1-0-E

Supplied by: G&K Craft Industries
126 Shove Street
Fall River, MA 02724

Emergency Telephone Numbers:
800-255-3924 ChemTel. (United States)
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Section 2: HAZARDOUS INGREDIENTS

Substances: Not applicable

Material: May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled

C.I. Reactive Black 5

Content:	<5%
EC#	241-164-5
CAS#	17095-24-8

Section 3: PHYSICAL DATA

Color:	Dark blue
Appearance:	Granules
Odor:	None
Solubility on Water:	50 g/l (25deg.C)
pH:	5.0-6.0 (100g/l)
Bulk density:	440-580 kg/m ³

Section 4: FIRE AND EXPLOSION HAZARD DATA

Flash point and Method: N.A.

Flammable Limits: LEL: N.A. VEL: N.A.

Extinguishing Media: WATER SPRAY, DRY CHEMICALS, FOAM OR CARBON DIOXIDE

Special Fire Fighting Procedures: FIREFIGHTERS SHOULD WEAR FULL-FACE, SELF-CONTAINED BREATHING APPARATUS AND IMPERVIOUS PROTECTIVE CLOTHING.

Unusual Fire and Explosion Hazards: NONE EXPECTED, BUT AVOID THE BUILD-UP OF DYE DUST/CLOUDS WHICH COULD BE EXPLOSIVE, AS OTHER ORGANIC POWDERS ARE.

Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations.

Section 5: TOXICOLOGICAL DATA

Animal Toxicity LD50 Oral (Ingestion): >5,000 mg/kg (RAT)
Fish, LD50 >1,000 mg/l 96 HR (Zebra Fish)
Primary Route of Exposure: Inhalation: Yes Skin Absorption: No Ingestion: No
Skin Contact: Yes Eye Contact: Yes

Effects of Overexposure: Based on testing done on one or more of the components, this product is a skin and respiratory sensitizer.

Signs and symptoms of overexposure: Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives. Respiratory sensitization can range from runny nose, cough and irritated eyes to asthmatic symptoms. These effects can lead to stroke and cardiovascular collapse and are potentially lethal symptoms.

IARC: No NTP: No OSHA: No CalProp65: No

Section 6: EMERGENCY AND FIRST AID PROCEDURES

LEAST FIFTEEN MINUTES. CONSULT PHYSICIAN IF IRRITATION OCCURS.

Skin: IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER. WASH WELL WITH SOAP AND WATER. LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE.

Ingestion: IF CONSCIOUS GIVE TWO GLASSES OF WATER TO DILUTE. INDUCE VOMITTING ONLY IF ADVISED BY POISON CONTROL CENTER.

Inhalation: REMOVE TO FRESH AIR. IF EFFECTS OCCUR, CONSULT PHYSICIAN.

Section 7: PHYSICAL HAZARDS

Precautions: MAINTAIN GOOD HOUSEKEEPING TO AVOID DUST BUILD-UP. AVOID INGESTION, EYE AND SKIN CONTACT. MINIMIZE INHALATION EXPOSURE BY USING DUST RESPIRATOR. WASH HANDS AFTER WEIGHING DYE TO AVOID CONTACT OF THE SKIN OR EYES WITH CONTAMINATED HANDS. A SENSITIZED INDIVIDUAL SHOULD NOT BE EXPOSED TO THE PRODUCT WHICH CAUSED THE SENSITIZATION.

Section 8: SPECIAL PROTECTION INFORMATION

Ventilation: USE LOCAL EXHAUST VENTILATION TO MINIMIZE EXPOSURE.

Respiratory: A NIOSH/MSHA APPROVED DUST RESPIRATOR SHOULD BE WORN.

Eye Protection: WEAR SIDE-SHIELD SAFETY GLASSES OR CHEMICAL SAFETY GOGGLES.

Skin Protection: EMPLOYEES SHOULD AVOID SKIN CONTACT BY WEARING PROTECTIVE CLOTHING. LONG SLEEVE SHIRTS, PANTS, GLOVES E.G. OF PVC OR NITRILE, AND BOOTS ARE RECOMMENDED. EMPLOYEES SHOULD WASH THEIR HANDS AND FACE BEFORE EATING AND DRINKING AND SHOWER THOROUGHLY BEFORE LEAVING WORK.

Protective Gloves: WEAR IMPERVIOUS GLOVES AS A STANDARD HANDLING PROCEDURE.

Other: DELUGE SAFETY SHOWER, EYE WASH STATION, PROTECTIVE CLOTHING.

All chemicals should be handled so as to prevent eye contact and excessive or repeated skin contact. Appropriate eye and skin protection should be employed. Inhalation of dusts and vapors should be avoided.

Section 9: ECOLOGICAL DATA

Fish toxicity:	LC50 >100mg/l (48h, Leuciscus idius)
Bacteria Toxicity Inhibition:	IC50 >100 mg/l
Daphnia toxicity:	not determined
Algae toxicity:	not determined
DOS:	not determined
COD:	590 mg/g
BOD5:	20 mg/g
Biodegradability:	<10%

Section 10: REACTIVITY DATA

Stability: STABLE UNDER NORMAL STORAGE CONDITIONS.

Incompatibility (Materials to Avoid): OXIDIZING AND REDUCING AGENTS.

Hazardous Decomposition Products: BURNING WILL PRODUCE OXIDES OF CARBON, NITROGEN AND SULFUR.

Hazardous Polymerization: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

Section 11: STORAGE INFORMATION

Precautions To Be taken In Handling And Storage: AVOID BREATHING DUST. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. STORE IN A DRY PLACE AWAY FROM EXCESSIVE HEAT, IN ORIGINAL OR SIMILAR WATERPROOF CONTAINERS. RESEAL CONTAINERS IMMEDIATELY AFTER USE.

Section 12: SPILL, LEAK, AND DISPOSAL INFORMATION

Accidental Release Measures: UTILIZE RECOMMENDED PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION. MIX MATERIAL WITH SWEEPING COMPOUND TO MINIMIZE DUSTING WHILE SWEEPING UP AND CONTAINING. VACUUM CONTAMINATED AREA.

Disposal Consideration: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL CONTROL REGULATIONS. EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE AND SHOULD NOT BE DISTRIBUTED, MADE AVAILABLE, FURNISHED OR REUSED EXCEPT FOR STORAGE AND SHIPMENT OF ORIGINAL PRODUCT.

Section 13: SHIPPING INFORMATION

DOT Shipping Name:	103
Technical Shipping Name:	NOT APPLICABLE
DOT Hazard Classification	
Primary:	NOT APPLICABLE
Secondary:	NOT APPLICABLE
Freight Classification:	55

Exposure Control

Exposure limits: Ingredients with occupational exposure limits to be monitored.

Reactive Blue Dyestuff Content <85%

Sodium phosphate, dibasic Content <2.2%

C.I. Reactive Black 5 Content <5% CAS number 10039-32-4

UN Number: NOT APPLICABLE

IMO Hazard Class: NOT APPLICABLE

DOT Labels Required COMMUNITY RIGHT TO KNOW LABEL

EPA/DOT Hazardous Substances Rq: NOT APPLICABLE

Section 14: OTHER GOVERNMENT REGULATIONS

TSCA: ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCE CONTROL ACT

SARA:313 This product is subject to SARA Title III Section 313 reporting requirements under 40 CFR372.

	Copper compounds 58.09%, copper 3.09%	
SARA:312	Immediate(acute) health hazard	Yes
	Delayed(chronic) health hazard	Yes
	Fire hazard	No
	Sudden Release pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19T Amendment of the Council Directive 76/769/EEC

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins.

Section 15: ADDITIONAL COMMENTS

Practices: HANDLE WITH DUE CARE AND MINIMIZE EXPOSURE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE PRACTICE.

Section 16: DISCLAIMER

This company believes that all the information and data given is accurate as of the date of preparation and is offered in good faith. This information is given without warranty or representation solely for your consideration, investigation, and verification. Since conditions of use are beyond our control. This company expressly disclaims all liability for the use or handling of this product.

N.E. Not Established

N.A. Not Applicable