


MATERIAL SAFETY DATA SHEET

	Product Name	MSDS NO. 127
	CHO Concrete Cleaner	Revision Date
	Product Description	4/05/2012
	Concentrated Detergent Powder	Page 1 of 3

SECTION I – MANUFACTURER’S INFORMATION

NAME: BUTTERFIELD COLOR, INC
ADDRESS: 625 W ILLINOIS AVE
AURORA, IL 60506
EMERGENCY PHONE: 800-424-9300
INFORMATION PHONE: 800-282-3388

SECTION II – HAZARDOUS INGREDIENTS

COMPONENTS	CAS NO.	CONCENTRATION RANGE
CITRIC ACID	77-92-9	>99.0%

SECTION III – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

FORM: COLORLESS OR WHITE CRYSTALS. DELIQUESCENT. MAY BURN IF STRONGLY HEATED. MAY BE A COMBUSTIBLE DUST. CORROSIVE TO THE EYES AND SKIN. CAN CAUSE PERMANENT EYE DAMAGE, INCLUDING BLINDNESS OR PERMANENT SCARRING OF THE SKIN.

WARNING STATEMENT

NO SIGNIFICANT HAZARDS ASSOCIATED WITH THIS MATERIAL

POTENTIAL HEALTH EFFECTS

EYE CONTACT: MAY CAUSE IRRITATION TO THE EYES, INCLUDING PAIN, REDNESS. OVEREXPOSURE TO THE EYE MAY CAUSE SEVERE, IRREVERSIBLE DAMAGE.
SKIN CONTACT: MILD SKIN IRRITATION AND REDNESS. PROLONGED CONTACT MAY CAUSE SENSITIZATION OR PERMANENT SCARRING.
INHALATION: MAY CAUSE IRRITATION, COUGHING, SNEEZING, DIFFICULTY BREATHING AND SORE THROAT.
INGESTION: INGESTION OF LARGE AMOUNTS MAY CAUSE STOMACH PAIN AND VOMITING.


SECTION IV – FIRST AID MEASURES

IF IN EYES: WASH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER OR NORMAL SALINE, OCCASIONALLY LIFTING EYELIDS, UNTIL NO EVIDENCE OF CHEMICAL REMAINS (AT LEAST 15 MINUTES). SEEK MEDICAL ATTENTION IMMEDIATELY.
IF ON SKIN: REMOVE CONTAMINATED CLOTHING. WASH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS SEEK MEDICAL ATTENTION.
IF INHALED: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. IF VICTIM IS NOT BREATHING A QUALIFIED PERSON SHOULD IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION, OBTAIN IMMEDIATE MEDICAL ASSISTANCE.
IF SWALLOWED: GIVE TWO GLASSES OF WATER. DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ASSISTANCE.

SECTION V – FIRE FIGHTING MEASURES

FLASH POINT: NO DATA
METHOD: NO DATA
IGNITION TEMPERATURE: NO DATA
UPPER FLAMMABLE LIMIT: NO DATA
LOWER FLAMMABLE LIMIT: 8.0 @ 149° F (65° C)
SENSITIVITY TO MECHANICAL IMPACT: NO
SENSITIVITY TO STATIC DISCHARGE: DUSTS MAY FORM AN EXPLOSIVE MIXTURE WITH AIR.
EXTINGUISHING MEDIA: USE SUITABLE AGENTS FOR SURROUNDING FIRE.

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SPECIAL FIREFIGHTING PROCEDURES:

STANDARD EQUIPMENT

FLAMMABILITY CLASS (OSHA):

NOT APPLICABLE

===== SECTION VI – ACCIDENTAL RELEASE MEASURES =====

ACTION TO BE TAKEN

FOR SPILLS OR RELEASES:

STOP FLOW OF MATERIAL, IF WITHOUT RISK. ELIMINATE ALL SOURCES OF IGNITION. DO NOT ALLOW PRODUCT TO ENTER SEWERS, DRAINS OR OTHER WATERWAYS. SWEEP UP AND PLACE IN SUITABLE CLEAN, PROPERLY IDENTIFIED, DRY CONTAINERS FOR RECLAMATION OR LATER DISPOSAL. AVOID GENERATING DUST. KEEP UNNECESSARY PEOPLE AWAY. WEAR ADEQUATE PROTECTION TO AVOID ALL CONTACT WITH MATERIAL.

===== SECTION VII – HANDLING AND STORAGE =====

HANDLING PROCEDURES:

THIS PRODUCT MUST BE HANDLED BY PROPERLY TRAINED PERSONNEL. DO NOT BREATHE DUST OR VAPORS. AVOID ALL SKIN AND EYE CONTACT BY WEARING PROTECTIVE EQUIPMENT. HANDLE AWAY FROM ALL SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS. WASH THOROUGHLY AFTER USING THIS PRODUCT, ESPECIALLY BEFORE EATING, DRINKING OR SMOKING. WASH CONTAMINATED CLOTHING BEFORE RE-USE. EMPTY CONTAINERS RETAIN HAZARDOUS RESIDUE, DISPOSE OF ACCORDINGLY.

STORAGE PROCEDURES:

STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS.

===== SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION =====

ENGINEERING CONTROLS:

DESIGN AND IMPLEMENT CONTROLS AND PROCEDURES TO AVOID ACCUMULATION OF DUST.

EYE AND FACE PROTECTION:

WEAR SPLASH-PROOF OR DUST-RESISTANT SAFETY GOGGLES TO PREVENT EYE CONTACT.

HAND PROTECTION:

IMPERVIOUS GLOVES TO PREVENT SKIN CONTACT.

BODY PROTECTION:

CLOTHING TO PREVENT SKIN CONTACT.

RESPIRATORY PROTECTION:

THE SPECIFIC RESPIRATOR SELECTED MUST BE BASED ON CONTAMINATION LEVELS FOUND IN THE WORKPLACE, MUST NOT EXCEED THE LIMITS OF THE RESPIRATOR AND BE NIOSH-MSHA APPROVED.

VENTILATION:

PROVIDE LOCAL EXHAUST OR GENERAL DILUTION VENTILATION SYSTEM.

OTHER PROTECTIVE

EQUIPMENT:

WHERE THERE IS ANY POSSIBILITY THAT AN EMPLOYEE'S EYES MAY BE EXPOSED TO THIS SUBSTANCE, THE EMPLOYER SHOULD PROVIDE AN EYE WASH FOUNTAIN WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE. EMPLOYEES SHOULD BE TRAINED IN EMERGENCY MEASURES IN CASE OF LEAK, SPILL, FIRE OR EXPLOSION. TRAINING IN USE OF EMERGENCY RESPONSE EQUIPMENT SHOULD BE PROVIDED TO INCLUDE LOCATION OF PHONE, FIRST AID KITS, ALARMS, FIRE EXTINGUISHERS FOR THE SPECIFIC WORKPLACE.

===== SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES =====

VAPOR DENSITY (AIR=1): N/A

FREEZING/MELTING POINT: 307°F (153°C)

PHYSICAL STATE: SOLID

ODOR: ODORLESS

COLOR: COLORLESS OR WHITE CRYSTALS

ODOR THRESHOLD (PPM): ODORLESS


VOLATILES & VOLUME: N/A

EVAP RATE: N/A

SPEC GRAVITY (H2O=1): 1.665

MOLECULAR WEIGHT: 192.13

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===== SECTION X – STABILITY AND REACTIVITY =====

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
HAZARDOUS THERMAL DECOMPOSITION
COMBUSTION PRODUCTS: OXIDES OF CARBON
CONDITIONS TO AVOID: EXPOSURE TO HEAT, FLAME OR IGNITION SOURCES
GENERATING DUST
MATERIALS TO AVOID: REDUCING AGENTS. BASES. STRONG OXIDIZING AGENTS. METAL
NITRATES. MIDLY CORROSIVE TO CARBON STEEL, CAST IRON,
COPPER, BRASS, ALUMINUM AND LEAD.

===== SECTION XI – TOXICOLOGICAL INFORMATION =====

LD50 ORAL 3 g/kg RAT – 5040mg/kg MOUSE
LD50 DERMAL NO DATA
LD50 INHALATION NO DATA
OTHER NO DATA
MES TEST RESULTS NO DATA AVAILABLE COVERING AMES TESTING RESULTS

===== SECTION XII – ECOLOGICAL INFORMATION =====

ECOTOXICOLOGICAL INFORMATION: NO DATA AT THIS TIME
CHEMICAL FATE INFORMATION: NO DATA AT THIS TIME

===== SECTION XIII – DISPOSAL CONSIDERATIONS =====

DISPOSAL METHOD: IN ACCORDANCE WITH FEDERAL, STATE, LOCAL REGULATIONS
REPORTABLE QTY: MAY MEET THE REQUIREMENTS OF CORROSIVE WASTE: D002

===== SECTION XIV – TRANSPORT INFORMATION =====

DOT SHIPPING NAME: NOT REGULATED FOR TRANSPORT.
DOT HAZARD CLASS: NOT APPLICABLE
DOT LABELS: NONE REQUIRED
UN NUMBER: NOT APPLICABLE
PLACARDS: NOT APPLICABLE
IATA: REFER TO AIR CARRIER
IMO/IMDG: REFER TO TRANSPORTER
TRANSPORT EMERGENCY PROCEDURES: CONTACT CHEMTREC 1-800-424-9300

===== SECTION XV – REGULATORY INFORMATION =====

SARA SECTION 302: NO
SARA SECTION 304: NO
SARA (313) CHEMICALS: NO
EPA TSCA INVENTORY: APPEARS
CERCLA SECTION 103: NO
CANADIAN WHMIS CLASS: E
CANADIAN DOMESTIC
SUBSTANCES LIST (DSL): APPEARS
CALIFORNIA PROP 65: NO
EINECG INVENTORY: 201-069-1
OTHER: INVENTORY

===== SECTION XVI – OTHER INFORMATION =====

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