

MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Crystal Dish Detergent

PRODUCT CODE | 201000,201010, 201030, 201080, 210340 ,210330

ISSUE DATE | March 19, 2003

EMERGENCY TELEPHONE NUMBERS

Medical Information: 1-866-359-5662

Transportation: 1-800-424-9300*

* For spill, leak, fire or transport accident emergencies.

Product Information: 1-724-625-1535

MANUFACTURER | James Austin Co
 STREET ADDRESS | 115 Downieville Road
 CITY, STATE, ZIP | Mars, PA 16046

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	OSHA PEL	<u>EXPOSURE LIMITS</u>	
				ACGIH TLV	NIOSH REL
Dodecylbenzene Sulfonic Acid	27176-87-0	2.73%	Unknown	Unknown	Unknown
Cocamide DEA	68155-07-7	.98	Unknown	7.5 gm/kg	None
Sodium Hydroxide	01310-73-2	0.363%	2 mg/m3	2 mg/m3	None

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	May cause eye and skin irritation. May be harmful if swallowed.
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POTENTIAL HEALTH EFFECTS	
INGESTION	Can cause stomach distress, nausea or vomiting.
INHALATION	No hazard in normal use.
EYE CONTACT	Irritating, but will not permanently injure eye tissue.
SKIN CONTACT	Prolonged contact can result in defatting and drying of the skin, which may result in skin irritation or dermatitis (rash).

SECTION 4 -- FIRST AID MEASURES

INGESTION	Swallowing less than an ounce will not cause significant harm. For larger amounts, DO NOT induce vomiting, but give one or two glasses of water to drink and get medical attention.
INHALATION	No specific treatment is necessary, since this material is not likely to be hazardous by inhalation.
EYE CONTACT	Immediately flush eye with cool running water for 15 minutes. If irritation persists, get medical attention.
SKIN CONTACT	Wash with soap and water. If irritation develops or persists, get medical attention.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	200 deg F	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, foam, carbon dioxide or dry chemical. Water may cause frothing.		
SPECIAL FIRE FIGHTING PROCEDURES	Avoid fumes from spilled or exposed liquid. Be prepared to use MSHA/NIOSH self-contained breathing apparatus and protective clothing.		
FIRE AND EXPLOSION HAZARDS	None		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Contain run-off with absorbent materials such as sand or clay and diking. Transfer liquid and absorbent material in approved container. Then flush and mop area with water allowing to air dry. Keep spill out of sewers and open bodies of water.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Keep container in upright position. Do not mix with anything but water. Do not mix with bleach or other chlorinated products.
STORAGE PRECAUTIONS	Store in a cool dry place. Keep from freezing. Do not store near food stuffs, water or feed. Keep away from children.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Normal procedures for good hygiene. Follow directions on label.
ENGINEERING CONTROLS	No special ventilation requirements.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	Not necessary
	GOGGLES / FACE SHIELD	Not necessary
X	APRON	Recommended to keep clothing dry during use
X	GLOVES	For prolonged use
	BOOTS	Not necessary

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Pink/Amber/Blue	BOILING POINT	212 deg F
ODOR	Rose/Lemon/Floral	FREEZING POINT	32 deg F
pH	6.5 – 7.5	VAPOR PRESSURE	VP of water
SPECIFIC GRAVITY	1.020 – 1.035	VAPOR DENSITY	NA
SOLUBILITY IN WATER	100%	EVAPORATION RATE	NA

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.					
INCOMPATIBILITY	Bleaches and chlorinated products					
HAZARDOUS PRODUCTS OF DECOMPOSITION	Mixed with chlorinated products will release chlorine compounds that create toxic gases.					
POLYMERIZATION		WILL NOT OCCUR	X		MAY OCCUR	
CONDITIONS TO AVOID	Not applicable					

SECTION 11 -- TOXICOLOGICAL INFORMATION**CARCINOGENICITY**

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z

OTHER EFFECTS

ACUTE	Not determined
CHRONIC	Not determined

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		CONSIDERED BIODEGRADABLE	X		
BOD / COD VALUE	Not established				
ECOTOXICITY	No data available				

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Triple rinse. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke. Do not reuse empty container. Wrap container and put in trash.							
RCRA CLASSIFICATION	Non-hazardous							
RECYCLE CONTAINER		YES	X	CODE	2 - HDPE		NO	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		HAZARDOUS			NOT HAZARDOUS	X
DESCRIPTION	Not applicable					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
	KOSHER	
	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

0	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
--	WHITE	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by James Austin Company in connection with the use of this information.