

MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Heavy Duty Laundry Detergent H-2

PRODUCT CODE | Snoee

ISSUE DATE | March 19, 2003

EMERGENCY TELEPHONE NUMBERS

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

Medical Information: 1-866-359-5662
 Transportation: 1-800-424-9300
* For spill, leak, fire or transport accident emergencies.
 Product Information: 724-625-1535

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Nonylphenol polyethylene glycol ether	26027-38-3	5.18%	Not established	Not established	Not established
Dodecylbenzene Sulfonic Acid	27176-87-0	1.34	Not established	Not established	Not established
Sodium Hydroxide	1310-73-2	0.52	2 mg/m ³	2 mg/m ³	Not established
Ethanol 2,2,2-nitrioltris (triethanolamine)	102-71-76	0.50	Not established	5 mg/m ³	Not established

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Harmful if swallowed. Eye irritant.
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POTENTIAL HEALTH EFFECTS	
INGESTION	May be toxic in large quantities.
INHALATION	None
EYE CONTACT	Irritant to the eyes; may cause temporary or severe damage.
SKIN CONTACT	May cause irritation or rashes to skin if not rinsed away quickly.

SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed, Give no more than 2 glasses of water and induce vomiting by giving 2 tablespoons syrup of ipecac. If ipecac is not available, induce vomiting by touching finger to back of victim's throat. Call a physician or poison control center immediately.
INHALATION	If exposed to excessive vapor levels, remove to fresh air and seek medical attention if cough or other symptoms develop.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT	Flush affected skin area with copious amounts of water and wash with soap and water. If irritation develops or persists, get medical attention. Remove clothing and wash before reuse.
NOTE TO PHYSICIAN	If swallowed by child, Give no more than 1 glass of water and induce vomiting by giving 1 tablespoons syrup of ipecac. If ipecac is not available, induce vomiting by touching finger to back of victim's throat. Call a physician or poison control center immediately.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	None / N.A.	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, alcohol foam, carbon dioxide, dry chemical or water fog. Use extinguishing media that is appropriate for surrounding fire.		
SPECIAL FIRE FIGHTING PROCEDURES	Avoid fumes from spilled or exposed liquid. Firefighters should wear full protective clothing and OSHA/NIOSH self-contained breathing apparatus. Cool fire-exposed containers with water spray from a safe distance.		
FIRE AND EXPLOSION HAZARDS	No unusual hazards.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Small spills: Dilute product by flooding area with large quantity of water and flush to sanitary sewer. Large spills: Contain run-off by diking with suitable material. Soak up liquid on inert absorbent and transfer to approved container. Prevent spill from entering sewers or waterways.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash after handling and before eating. Keep container tightly closed when not in use. Follow label directions closely.
STORAGE PRECAUTIONS	Store upright in a cool (below 85 F), dry, well-ventilated area. Keep away from heat or direct sunlight. Protect containers from physical damage. Keep away from children.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Do not store near food stuffs, water or feed. Protect eyes, skin and clothing from contact with this product.
ENGINEERING CONTROLS	Facilities using this product must be equipped with an eyewash station.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATOR	None required.
GOGGLES / FACE SHIELD	None required.
APRON	None required.
GLOVES	None required.
BOOTS	None required.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear blue liquid	BOILING POINT	212 deg F
ODOR	Fresh Scent	FREEZING POINT	32 deg F
pH	9.0-10.0	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	1.01-1.03	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not applicable

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		STABLE	X		UNSTABLE	
CONDITIONS TO AVOID	Do not directly mix with solutions containing bleach (sodium hypochlorite) Unless used within equipment designed for laundry purposes.					
INCOMPATIBILITY	Do not directly mix with bleach solutions (sodium hypochlorite).					
HAZARDOUS PRODUCTS OF DECOMPOSITION	None, however if mixed with bleach chlorine gases might be released that can cause irritation to mucous membranes, lungs, and eyes, and in extreme cases chlorine fumes can be fatal.					
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	None
CHRONIC	Not determined

SECTION 12 -- ECOLOGICAL INFORMATION

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

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	If in accordance with an NPDES permit or approved by local sewage treatment plant authority, small amounts may be flushed to a sanitary sewer with plenty of water. Large amounts of unused product must be disposed of as hazardous waste at an approved hazardous waste management facility.					
RCRA CLASSIFICATION	N/A					
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)	Not applicable
FDA REGULATED	Not applicable
KOSHER	Not applicable
SARA TITLE III MATERIAL	Not applicable
USDA AUTHORIZED	Not applicable

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

0	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
0	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.