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MATERIAL SAFETY DATA SHEET

MSDS NO. 3216034

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SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	DRAIN OPENER				
PRODUCT USE	DRAIN OPENER				
PRODUCT CODE	3216034 - 6/1 QT	GFS REORDER NO. 239300	DATE	2-6-04	

COMPANY IDENTIFICATION

U S CHEMICAL
 316 HART STREET
 WATERTOWN, WI 53094 USA
 1-800-558-9566 (8AM TO 5PM CST MON-FRI)

EMERGENCY TELEPHONE NUMBERS

MEDICAL: 1-800-851-7145 EXT. 075 (24 HOUR)
TRANSPORTATION: 1-800-851-7145 EXT. 075 (24 HOUR)
 FOR CHEMICAL EMERGENCIES INVOLVING SPILLS, LEAKS OR FIRES.

SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS**HAZARDOUS COMPONENT****EXPOSURE LIMITS**

CHEMICAL NAME	CAS NO.	% BY WT	OSHA PEL	ACGIH TLV	OTHER LIMITS
BACTERIAL CULTURES	N.AV.	N.AV.	N.AP.	N.AP.	N.AP.

STATE RIGHT TO KNOW INFORMATION

THIS PRODUCT CONTAINS: WATER/7732-18-5, BACTERIAL CULTURES/N.AV., LINEAR ALCOHOL ETHOXYLATE/34398-01-1

SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	MAY CAUSE MILD IRRITATION DEPENDING ON DEGREE OF EXPOSURE.
ROUTES OF ENTRY	EYES, INGESTION, SKIN

POTENTIAL HEALTH EFFECTS

INGESTION	MAY CAUSE DISCOMFORT, NAUSEA, VOMITING, AND IRRITATION TO MOUTH, ESOPHAGUS, STOMACH, AND TO OTHER TISSUES WITH WHICH CONTACT IS MADE. SEVERITY DEPENDS UPON DEGREE OF EXPOSURE.
INHALATION	NONE KNOWN.
EYE CONTACT	CONTACT MAY CAUSE MILD IRRITATION DEPENDING UPON EXPOSURE.
SKIN CONTACT	CONTACT MAY CAUSE MILD IRRITATION DEPENDING UPON EXPOSURE.

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SECTION 4 -- FIRST AID MEASURES

INGESTION	DO NOT INDUCE VOMITING. IF PATIENT IS CONSCIOUS AND CAN SWALLOW, ADMINISTER MILK OR WATER. ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-851-7145 EXT. 075 OR CONTACT A PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.
INHALATION	N.A.P.
EYE CONTACT	FLOOD EYES WITH LUKEWARM (NOT HOT) WATER POURED FROM A LARGE GLASS 2 OR 3 INCHES FROM EYES. REMOVE CONTACTS. HAVE PATIENT BLINK AS MUCH AS POSSIBLE WHILE FLOODING THE EYES. CONTINUE FOR 15 MINUTES. ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-851-7145 EXT. 075 OR CONTACT A PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.
SKIN CONTACT	REMOVE CONTAMINATED CLOTHES, THEN FLOOD WITH WATER. IF IRRITATION DEVELOPS OR PERSISTS, GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE TO PREVENT EXPOSURE.
NOTE TO PHYSICIAN	CALL 1-800-851-7145 EXT. 075 (24 HOUR) FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES TO THIS PRODUCT.

SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	N.A.P.	UPPER FLAMMABLE LIMIT	N.A.P.
AUTOIGNITION TEMPERATURE	N.A.P.	LOWER FLAMMABLE LIMIT	N.A.P.
EXTINGUISHING MEDIA	FOR FIRES IN AREA, USE APPROPRIATE MEDIA. FOR EXAMPLE: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR ALCOHOL FOAM.		
SPECIAL PROCEDURES	EVACUATE AREA OF UNPROTECTED AND UNNECESSARY PERSONNEL.		
UNUSUAL HAZARDS	N.A.P.		

SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE OR DAM LARGE SPILLS. AVOID DIRECT DISCHARGE TO SEWER AND SURFACE WATERS. VENTILATE AREA IF NEEDED. PUMP TO CONTAINER OR SOAK UP WITH NON-COMBUSTIBLE INERT ABSORBENT MATERIALS. AFTER SPILL COLLECTION, FLUSH AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES. KEEP COMBUSTIBLES AWAY! BE CAREFUL AS SPILLS ARE SLIPPERY.
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SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INGESTION AND CONTACT WITH SKIN AND EYES. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.
STORAGE PRECAUTIONS	ROTATE STOCK REGULARLY. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER. KEEP CONTAINER CLOSED WHEN NOT IN USE. RECOMMENDED STORAGE TEMPERATURE BELOW 100° F. KEEP FROM FREEZING. STORE IN A COOL DRY AREA OUT OF DIRECT SUNLIGHT. KEEP OUT OF CHILDREN'S REACH. KEEP AWAY FROM FOOD AND DRINKING WATER.

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SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	FOLLOW NORMAL PROCEDURES FOR GOOD HYGIENE. AVOID CONTAMINATION OF FOOD.
ENGINEERING CONTROLS	NONE NEEDED.

PERSONAL PROTECTIVE EQUIPMENT

	RESPIRATOR	NONE REQUIRED.
X	EYE / FACE PPE	SAFETY GLASSES.
	APRON	NOT NECESSARY.
	GLOVES	NOT NECESSARY.
	BOOTS	NOT NECESSARY.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	NON-VISCOUS, GREEN LIQUID	BOILING POINT	N.AP.
SCENT	LEMON	FREEZING POINT	N.AP.
pH CONCENTRATE	9.0	VAPOR PRESSURE	N.AP.
pH USE DILUTION	NAV.	PHYSICAL STATE	LIQUID
SOLUBILITY IN WATER	COMPLETE	EVAPORATION RATE	N.AP.
SPECIFIC GRAVITY	1.030 AT 25°C	VAPOR DENSITY	N.AP.

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		X	STABLE		UNSTABLE
CONDITIONS TO AVOID	AVOID MIXING WITH ANY OTHER CLEANING PRODUCT. MIX ONLY WITH WATER. DO NOT STORE AT HIGH TEMPERATURES. RECOMMENDED STORAGE TEMPERATURE BELOW 100° F.				
INCOMPATIBILITY	AVOID CONTACT WITH STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALI SUCH AS CAUSTIC SODA OR CAUSTIC POTASH.				
HAZARDOUS PRODUCTS OF DECOMPOSITION	WARNING! MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE SULFUR DIOXIDE, HYDROGEN SULFIDE, NITROUS OXIDES, AND AMMONIA VAPORS.				
POLYMERIZATION		X	WILL NOT OCCUR		MAY OCCUR
CONDITIONS TO AVOID	NOT APPLICABLE				

SECTION 11 -- TOXICOLOGICAL INFORMATION**CARCINOGENICITY**

THIS PRODUCT DOES NOT CONTAIN ANY KNOWN CARCINOGENS OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS, IARC MONOGRAPHS, AND OSHA.

OTHER EFFECTS

ACUTE LD50/LC50	NOT DETERMINED FOR THIS BLEND.
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SUBCHRONIC	N.A.P.
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SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY	NO DATA ON THIS BLEND.
ECOTOXICITY	NO DATA AVAILABLE.

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS. CONSULT REGULATORY AGENCIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. TRIPLE RINSE EMPTY CONTAINER THOROUGHLY WITH WATER BEFORE RECYCLING OR DISCARDING CONTAINER IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. DO NOT REUSE EMPTY CONTAINERS. MANAGE WASTES THROUGH AN APPROVED WASTE TREATMENT FACILITY.
RCRA CLASSIFICATION	NON-HAZARDOUS

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION	THIS PRODUCT IS DOT NON-HAZARDOUS.
DOT DESCRIPTION	N.A.P.

SECTION 15 -- REGULATORY STATUS

REGULATORY STATUS

NO	CERCLA RQ	N.A.P.
NO	EPA REGISTERED (FIFRA)	N.A.P.
NO	FDA REGULATED	N.A.P.
YES	KOSHER	THIS PRODUCT IS ENDORSED BY THE CHICAGO RABBINICAL COUNCIL.
YES	OSHA HCS 29 CFR 1910.1200	THIS PRODUCT IS CONSIDERED TO BE OSHA HAZARDOUS.
YES	SARA TITLE III MATERIAL	SECTION 311 & 312. REPORTING REQUIREMENTS ARE BASED UPON INVENTORY LEVELS.
YES	TSCA INVENTORY	ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE INVENTORY.

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

HMIS CLASSIFICATION

1	BLUE	HEALTH	1	BLUE	HEALTH
0	RED	FLAMMABILITY	0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY	0	YELLOW	REACTIVITY
N.A.P.	WHITE	SPECIAL HAZARD	X	WHITE	PERSONAL PROTECTION

DEGREE OF HAZARD: 0= MINIMAL, 1=SLIGHT, 2=MODERATE, 3=SERIOUS, 4=SEVERE

N.A.P. = NOT APPLICABLE

N.A.V. = NOT AVAILABLE

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 FOUR POINTS CHEMICAL IN CONNECTION WITH THE USE OF THIS INFORMATION.