

MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER OR SUPPLIER DATA

MSDS NUMBER

101281

MANUFACTURER'S NAME & MAILING ADDRESS U S Chemical Corporation 316 Hart Street Watertown, Wisconsin 53094 USA	PREPARED BY D. E. Kenas	SIGNATURE <i>David E. Kenas</i>
	TITLE Quality Assurance Manager	DATE 12-20-99
EMERGENCY TELEPHONE NO. (24 HOUR SERVICE) Medical Emergency ONLY: 1-800-851-7145 Ext. 075	PRODUCT INFORMATION TELEPHONE NO. (8 AM TO 5 PM CST, MON - FRI) Product Information: 1-800-558-9566	

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME QuarryGrip™	Also Known As: MIXMATE L		
PRODUCT DESCRIPTION Floor Cleaner & Traction Treatment	FORMULA Proprietary Blend	CHEMICAL FAMILY N.A.	
REGULATED IDENTIFICATION	DOT PROPER SHIPPING NAME Not Regulated by D.O.T.		
	SHIPPING ID NUMBER N.A.	PACKING GROUP N.A.	HAZARD CLASS N.A.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT N.A.	SPECIFIC GRAVITY (H ₂ O = 1) 1.023	PHYSICAL FORM Liquid	COLOR Orange
VAPOR PRESSURE (mm Hg) N.A.	MELTING POINT N.A.	SOLUBILITY IN WATER Complete	SCENT Mild
VAPOR DENSITY (AIR = 1) N.A.	EVAPORATION RATE (BUTYL ACETATE = 1) N.A.	pH 2500 ppm SOLUTION N.A.	pH CONCENTRATE 4.4
OTHER Slightly Viscous Solution.			

SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (CHEMICAL NAME: COMMON NAME)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	PERCENT WT/WT
Dodecylbenzene Sulfonic Acid CAS Registry Number 27176-87-0	Not Established	Not Established	Not Established	1.0-5.0
Sodium Alkyl Sulfonate CAS Registry Number 68608-26-4	Not Established	Not Established	Not Established	1.0-5.0
Ammonium Bifluoride CAS Registry Number 1341-49-7	2.5 mg/m ³ TWA Fluorides, as F	2.5 mg/m ³ TWA Fluorides, as F	None	1.0-5.0

This product contains no other ingredient considered hazardous according to the criteria of 29 CFR 1910.1200, OSHA. However, this product contains chemicals which may be subject to reporting requirements according to the criteria of SARA Title III, 40 CFR, Part 370, Section 311 and Section 312.

STATE RIGHT TO KNOW INFORMATION
THIS PRODUCT CONTAINS: WATER/7732-18-5, SODIUM ALKYL SULFONATE/68608-26-4, SODIUM XYLENESULFONATE/1300-72-7, DODECYLBENZENE SULFONIC ACID/27176-87-0, AMMONIUM BIFLUORIDE/1341-49-7

NFPA RATING: Health-1/Flammability-0/Reactivity-0 See Section 5 for Protective Equipment.
HMIS RATING: Health-1/Flammability-0/Reactivity-0 See Section 5 for Protective Equipment.

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 29 CFR 1910, Subpart Z.

(CONTINUED IN SECTIONS 5 TO 8)

SECTION 5 - SAFE USAGE DATA

PROTECTIVE EQUIPMENT TYPES	EYES Safety glasses and an eye-wash station.	GLOVES Must wear rubber or neoprene gloves.
	RESPIRATORY None required with normal use.	
	OTHER Wear protective clothing if splashing is possible.	
VENTILATION	GENERAL MECHANICAL Satisfactory. Maintain adequate ventilation. Keep levels below recommended TLV.	
	LOCAL EXHAUST Not ordinarily needed. Avoid inhalation of mists containing this product.	
PRECAUTIONS	HANDLING & STORAGE Follow all label directions. Instruct personnel about proper use, hazards, precautions, and first-aid measures. Avoid ingestion and contact with skin and eyes. If contact occurs, immediately follow first aid measures. Rotate stock. Handle carefully to avoid damaging container. Keep container closed. Wash thoroughly after handling. Keep out of children's reach.	

SECTION 6 - HEALTH HAZARD DATA

EFFECTS OF EXPOSURE	INHALATION Inhalation of mists may cause irritation to nose, throat, and mucous membranes. Severity depends upon degree of exposure.
	INGESTION Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, and severe tissue damage to digestive tract.
	SKIN & EYES SKIN: Mild to severe irritation. Damage to skin and underlying tissues may result without immediate first aid treatment. EYES: May cause moderate to severe eye irritation.
	ACUTE & CHRONIC ACUTE: Irritation to skin and eyes. Eye, skin, and underlying tissue damage may result without immediate first aid treatment. CHRONIC: None Known.
ROUTES OF ENTRY	INGESTION-X SKIN ABSORPTION- SKIN-X EYES-X INHALATION-
	TARGET ORGANS Eyes, Skin.

SECTION 7 - PHYSICAL HAZARD DATA

FLAMMABILITY	LEL = N.A.P. UEL = N.A.P.	FLASH POINT = N.A.P.	METHOD USED = N.A.P.
STABILITY	STABLE	X	CONDITIONS TO AVOID Avoid mixing with any other cleaning product. Do not store at high temperatures. Recommended storage temperature below 100°F. Do not freeze.
	UNSTABLE		HAZARDOUS DECOMPOSITION PRODUCTS Mixing with incompatible materials may produce carbon dioxide, hydrogen, and other toxic and irritating fumes.
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N.A.P.
INCOMPATIBILITY	MATERIALS TO AVOID Avoid acids, bases and oxidizing agents. Avoid sodium hypochlorite or bleach.		

SECTION 8 - EMERGENCY RESPONSE DATA

FIRE	EXTINGUISHING MEDIA For fires in area, use appropriate media. For example: Foam, Carbon Dioxide, Dry Chemical, Water fog.
	SPECIAL PROCEDURES Cool and use caution when approaching or handling fire-exposed containers. Fire fighters should wear self-contained breathing apparatus and protective clothing.
	UNUSUAL HAZARDS Toxic decomposition products include: Ammoniacal vapors, oxides of nitrogen, hydrogen fluoride.
FIRST AID MEASURES	INGESTION: Do not induce vomiting. If patient is conscious and can swallow, administer milk or water. SKIN: Remove contaminated clothes, flood with water for 15 minutes. EYES: Flood 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. INHALATION: Move victim to fresh air. Give artificial respiration if patient is not breathing. ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-851-7145 Ext 075 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.
	STEPS TO BE TAKEN Wear proper protective equipment including rubber boots. Stop leak if you can do so without risk. Dike or dam large spills. Ventilate area if needed. Soak up with fuller's earth, sand or other non-combustible inert absorbent materials. Flush area with water and follow with normal clean-up procedures. Keep combustibles away! Be careful as spills are slippery.
SPILLS RQ - N.A.	WASTE DISPOSAL METHOD Comply with all federal, provincial, state, and local regulations. Consult state and local authorities for restrictions on disposal of chemical waste. If approved, may be diluted and drained to a municipal sewer or waste treatment plant. Rinse empty container thoroughly with water before discarding. Please recycle empty container whenever possible.

THE DATA IN THIS MATERIAL SAFETY DATA SHEET RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND DOES NOT RELATE TO ITS USE IN COMBINATION WITH ANY OTHER MATERIAL OR PROCESS. THE DATA CONTAINED IS BELIEVED TO BE ACCURATE. HOWEVER, SINCE USE CONDITIONS VARY AND ARE OUTSIDE OUR CONTROL, THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, AND ASSUMES NO LIABILITY FOR FAILURE TO FOLLOW PRODUCT USE DIRECTIONS AND SAFETY PRECAUTIONS.