



MATERIAL SAFETY DATA SHEET

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1. PRODUCT AND COMPANY IDENTIFICATION

NAME: QUARRYGRIP	(QUARRYGRIP L)
USE: FLOOR CLEANER AND TRACTION TREATMENT	
MSDS # 126072	Received 6/20/06

U S CHEMICAL, 316 HART STREET, WATERTOWN, WI 53094 USA
MEDICAL EMERGENCY #: 1-800-851-7145 EXT. 075 USA
SPILL EMERGENCY #: 1-800-424-9300 USA
PRODUCT INFORMATION #: 1-800-558-9566 (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)
INTERNET ADDRESS: WWW.USCHEMICAL.COM
REVIEWED 5-12-05 REVISED 5-12-05 SECTION REVISED: 1

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION! MAY BE MODERATELY IRRITATING TO EYES.
PRINCIPLE ROUTES OF EXPOSURE: EYES, SKIN, INGESTION.
POTENTIAL ACUTE HEALTH EFFECTS EYES: MAY BE MODERATELY IRRITATING TO EYES. SKIN: MAY BE MILDLY IRRITATING TO SKIN. INHALATION: INHALATION OF MISTS MAY CAUSE MILD IRRITATION. INGESTION: MAY BE HARMFUL IF SWALLOWED. MAY BE IRRITATING TO MOUTH, THROAT AND STOMACH. MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING AND DIARRHEA. MEDICAL CONDITIONS AGGRAVATED: NONE KNOWN.

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	% BY WT	LC50/LD50
AMMONIUM BIFLUORIDE	1341-49-7	1.0 - 5.0	N.A.V.
DODECYLBENZENE SULFONIC ACID	68584-22-5	1.0 - 5.0	N.A.V.

STATE RIGHT TO KNOW: THIS PRODUCT CONTAINS:
WATER/7732-18-5, SODIUM ALKYL SULFONATE/68608-26-4, AMMONIUM BIFLUORIDE/1341-49-7,
DODECYLBENZENE SULFONIC ACID/68584-22-5, SODIUM XYLENESULFONATE/1300-72-7

4. FIRST AID MEASURES

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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 AT LEAST 15 MINUTES.

SKIN: REMOVE CONTAMINATED CLOTHES, THEN FLOOD WITH WATER.

INHALATION: MOVE VICTIM TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF PATIENT IS NOT BREATHING.

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 PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.

NOTE TO PHYSICIAN: CALL 1-800-851-7145 EXT. 075 FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES

5. FIRE-FIGHTING MEASURES

FLAMMABILITY: NO HAZARD.

FLASH POINT: N.A.P.

PRODUCTS OF COMBUSTION: SEE SECTION 10.

SUITABLE EXTINGUISHING MEDIA: FOR FIRES IN AREA, USE APPROPRIATE MEDIA. FOR EXAMPLE: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR ALCOHOL FOAM.

SPECIFIC HAZARDS: N.A.P.

SPECIFIC METHODS: NORMAL FIRE FIGHTING PROCEDURES MAY BE USED.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: SEE SECTION 8.

SPILL RESPONSE: EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. VENTILATE AREA IF NEEDED. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE OR DAM LARGE SPILLS. AVOID DIRECT DISCHARGE TO SEWER AND SURFACE WATERS. 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. BE CAREFUL AS SPILLS ARE SLIPPERY.

7. HANDLING AND STORAGE

HANDLING: FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES. AVOID INGESTION AND CONTACT WITH EYES. DO NOT TASTE OR SWALLOW. REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE. PRODUCT RESIDUE MAY REMAIN ON OR IN EMPTY CONTAINERS. HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

STORAGE: ROTATE STOCK REGULARLY. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F. PROTECT FROM FREEZING. STORAGE AT AMBIENT TEMPERATURES IN A DRY AREA OUT OF DIRECT SUNLIGHT IS RECOMMENDED. KEEP AWAY FROM FOOD AND DRINK. KEEP OUT OF CHILDREN'S REACH.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION Page 3 of 4

EXPOSURE LIMITS: AMMONIUM BIFLUORIDE = 2.5 MG/M3 TWA FLUORIDES, AS F
ENGINEERING CONTROLS: NONE REQUIRED. GENERAL ROOM VENTILATION IS ADEQUATE.

PERSONAL PROTECTION
EYES: SAFETY GLASSES WITH SIDE SHIELDS RECOMMENDED IF SPRAYING.
HANDS: FOR PROLONGED OR REPEATED CONTACT WITH SKIN: RUBBER GLOVES.
RESPIRATORY: N.AP.
FEET: N.AP.
BODY: N.AP.

9. PHYSICAL AND CHEMICAL PROPERTIES

<p>COLOR: ORANGE ODOR : MILD pH CONCENTRATE: 4.4 pH @ 2500 PPM SOLUTION: N.AP. pH @ USE DILUTION: N.AP. PHYSICAL STATE: LIQUID SPECIFIC GRAVITY: 1.023 VISCOSITY: SLIGHTLY VISCOUS BOILING POINT: N.AP. MELTING POINT: N.AP.</p>	<p>FLASH POINT: N.AP. UEL: N.AP. LEL: N.AP. EVAPORATION RATE: N.AP. ODOR THRESHOLD: N.AP. VAPOR PRESSURE: N.AP. VAPOR DENSITY: N. AP. COEFF. OIL/WATER: N.AP. WATER SOLUBILITY: COMPLETE OTHER: N.AP.</p>
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10. STABILITY AND REACTIVITY

STABLE: YES
CONDITIONS TO AVOID: AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F.
MATERIALS TO AVOID: AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT. AVOID OXIDIZING AGENTS. MIX ONLY WITH WATER.
DECOMPOSITION PRODUCTS: FIRE OR MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE OXIDES OF CARBON AND OTHER TOXIC OR IRRITATING FUMES.
POSSIBILITY OF HAZARDOUS REACTIONS: N.AP.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: SEE SECTION 2.
CHRONIC EFFECTS: NONE KNOWN. NO REPORTABLE CARCINOGENS, MUTAGENS, SENSITIZERS, SYNERGISTIC MATERIALS, TERATOGENS, OR REPRODUCTIVE TOXINS.
LC50/LD50: N.AV.
TARGET ORGANS: EYES, SKIN.
OTHER TOXIC EFFECTS: NONE KNOWN.

12. ECOLOGICAL INFORMATION

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NOT AVAILABLE.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS AND REGULATIONS. CONSULT STATE AND LOCAL AUTHORITIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE.
DO NOT REUSE EMPTY CONTAINER. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER BEFORE DISCARDING CONTAINER IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. PLEASE RECYCLE EMPTY CONTAINER WHENEVER POSSIBLE.

14. TRANSPORT INFORMATION

DOT/TDG: NOT REGULATED
DOT RQ: N.A.P.
DOT ERG #: N.A.P.

15. REGULATORY INFORMATION

EPA CERCLA RQ: N.A.P.
EPA REGISTERED: NO
EPA %VOC: 1.00
EPA VOC RULE: PRODUCT COMPLIES WITH THE EPA VOC EMISSIONS STANDARD.
KOSHER (CRC): YES
OSHA HAZARDOUS: YES
PHOSPHORUS CONTENT: SEE LABEL
PROPOSITION 65: N.A.P.
SARA 311/312 HAZARDS: ACUTE
SARA 313 CHEMICALS: N.A.P.
STATE RIGHT TO KNOW: SEE SECTION 3 FOR STATE RTK CHEMICAL NAMES.
TSCA INVENTORY STATUS: ALL COMPONENTS ARE LISTED ON THE INVENTORY.
WHMIS CLASS: D-2B

16. OTHER INFORMATION

NFPA RATING: HEALTH-2/FLAMMABILITY-0/REACTIVITY-0/SPECIAL HAZARD-N.A.P.
HMIS RATING: HEALTH-2/FLAMMABILITY-0/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.A.V. = NOT AVAILABLE N.A.P. = NOT APPLICABLE

PREPARED BY: HEALTH AND SAFETY

NOTICE TO READER

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