

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: MINERAL REMOVER
PRODUCT USE: AUTOMOTIVE DETAILING
MANUFACTURER/SUPPLIER:
 SCRATCHWERKES
 820 4TH ST SE
 MINOT, ND, 58701

TELEPHONE NUMBER: 701.509.6942
E-MAIL: INFO@SCRATCHWERKES.COM
WEB: SHOPSCRATCHWERKES.COM

**SECTION 2: HAZARD(S) IDENTIFICATION****GHS CLASSIFICATION: HEALTH ENVIRONMENTAL**

EYE EFFECTS – 1
 SKIN CORROSION – 1
 ACUTE TOXICITY – 3
 3 (INHALATION)
 3 (ORAL/DENTAL)
 SKIN SENSITIZATION – N/A
 MUTAGENICITY – N/A
 CARCINOGENICITY – 1A
 REPRODUCTIVE/DEVELOPMENTAL – N/A
 TARGET ORGAN TOXICITY – N/A
 TOXICITY – N/A
 ASPIRATION HAZARD – N/A
 ENVIRONMENTAL HAZARDS – N/A
 HAZARDOUS TO THE AQUATIC ENVIRONMENT – N/A

PHYSICAL

FLAMMABLE LIQUID – N/A
 EXPLOSIVES – N/A
 FLAMMABLE GASES – N/A
 FLAMMABLE AEROSOLS – N/A
 OXIDIZING GASES – N/A
 GASES UNDER PRESSURE – N/A
 FLAMMABLE SOLID – N/A
 SELF-REACTIVE SUBSTANCES – N/A
 PYROPHORIC SOLIDS – N/A
 SELF-HEATING SUBSTANCES – N/A
 OXIDIZING LIQUIDS – N/A
 OXIDIZING SOLIDS – N/A
 ORGANIC PEROXIDES – N/A
 CORROSIVE TO METAL – N/A
 SUBSTANCES WHICH, IN CONTACT WITH WATER EMIT FLAMMABLE GASES – N/A

PICTOGRAM:

HEALTH HAZARD,
 CORROSIVE,
 SKULL AND CROSSBONES.

**PRECAUTIONARY STATEMENTS****GENERAL:**

P101 IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT OR LABEL AT HAND.

P102 KEEP OUT OF REACH OF CHILDREN

P103 READ LABEL BEFORE USE.

PREVENTION:

P201 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

P202 DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD P 233 KEEP CONTAINER TIGHTLY CLOSED.

P261 AVOID BREATHING MIST, VAPORS, SPRAY.

P264 WASH THOROUGHLY AFTER HANDLING.

P271 USE ONLY OUTDOORS OR IN WELL-VENTILATED AREA.

<p>HAZARD STATEMENTS</p> <p>DANGER!</p> <p>MAY BE CORROSIVE TO METALS FATAL IF SWALLOWED HARMFUL IN CONTACT WITH SKIN CAUSES SERIOUS EYE DAMAGE. TOXIC IF INHALED. MAY CAUSE CANCER</p>	<p>P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/ FACE PROTECTION</p> <p>RESPONSE:</p> <p>IF SWALLOWED: IMMEDIATELY CALL A POISON CONTROL CENTER OR DOCTOR/PHYSICIAN. RINSE MOUTH. DO NOT INDUCE VOMITING. IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. IF EYE IRRITATION PERSISTS GET MEDICAL ADVICE/ATTENTION. P308 IF EXPOSED OR CONCERNED: IMMEDIATELY CALL POISON CONTROL OR DOCTOR.</p> <p>STORAGE: STORE IN A WELL-VENTILATED PLACE. STORE LOCKED UP. KEEP CONTAINER TIGHTLY CLOSED.</p> <p>DISPOSAL: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.</p>
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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>WEIGHT</u>
Sulfuric Acid	7664-93-9	≤ 5
Ethylene Glycol Butyl	111-76-2	≤ 20
Ammonium hydrogen Fluoride	1341-49-7	≤ 2
Dodecylbenzen	27176-87-0	≤ 25

SECTION 4: FIRST AID MEASURES

EYE CONTACT: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF CLEAN WATER FOR AT LEAST 15 MINUTES, EYELIDS SHOULD BE HELD AWAY FROM THE EYEBALL TO ENSURE THOROUGH RINSING. IF ANY IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN CONTACT: RINSE AREA WITH SOAP AND WATER. SEEK MEDICAL ATTENTION IF ANY REDNESS OR IRRITATION PERSISTS

INHALATION: IF BREATHING IS DIFFICULT OR IRRITATING, MOVE TO FRESH AIR IMMEDIATELY. IF SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

INGESTION: GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL PERSONNEL.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: USE DRY CHEMICAL, FOAM, OR CARBON DIOXIDE TO EXTINGUISH FIRE. WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO COOL FIRE-EXPOSED CONTAINERS, STRUCTURES AND TO PROTECT PERSONNEL. USE WATER TO DILUTE SPILLS AND TO FLUSH THEM AWAY FROM SOURCES OF IGNITION.

FIRE FIGHTING PROCEDURES: NO SPECIAL PROTECTIVE ACTION FOR FIRE FIGHTERS ARE ANTICIPATED.

UNUSUAL FIRE AND EXPLOSION: FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTION.

COMBUSTION PRODUCTS: SULFUR CONTAINING GASES.

SECTION 6: ACCIDENT RELEASE MEASURES

Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in sealed container pending a waste disposal evaluation. Contain spilled liquid with sand or earth. Do Not use combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 8 of this SDS. Advise the environmental protection agency (EPA) and appropriate state agencies, if required. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

SECTION 7: HANDLING AND STORAGE

HANDLING:

DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE VAPOR OR MISTS. KEEP CONTAINER CLOSED. USE ONLY WITH ADEQUATE VENTILATION. USE GOOD PERSONAL HYGIENE PRACTICES. WASH HANDS BEFORE EATING, DRINKING, SMOKING. REMOVE CONTAMINATED CLOTHING AND CLEAN BEFORE RE-USE. KEEP AWAY FROM HEAT AND FLAME. KEEP OPERATING TEMPERATURES BELOW IGNITION TEMPERATURES AT ALL TIMES. USE NON-SPARKING TOOLS. CHEMICAL RESISTANT SPLASH GOGGLES AND CHEMICAL RESISTANT GLOVES ARE ALWAYS RECOMMENDED WHEN USING CHEMICALS.

STORAGE:

KEEP CONTAINER TIGHTLY CLOSED IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM HEAT, SOURCE OF IGNITION AND INCOMPATIBLES. DO NOT STORE BELOW 32 DEGREES F OR ABOVE 100 DEGREES F. DO NOT STORE IN DIRECT SUNLIGHT. KEEP AWAY FROM CHILDREN.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE LIMITS:

AMMONIUM HYDROGEN FLUORIDE 1341-49-7

SULFURIC ACID 7664-93-9

PEL (OSHA) 1 MG/M3, 8 HR. TWA

TLV (ACGIH) 1.2 MG/M3, 8 HR. TWA

A2 (SULFURIC ACID CONTAINED IN STRONG INORGANIC ACID MISTS)

ETHYLENE GLYCOL MONBUTYL 111-76-2

ACGIH	PEL	20 PPM
NIOSH	TWA	5 PPM
NIOSH	PEL	24 MG/M3
OSHA Z1	TWA	50 PPM
OSHA Z1	TWA	240 MG/M3

ENGINEERING CONTROLS: LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS ARE NORMALLY REQUIRED WHEN HANDLING OR USING THIS PRODUCT TO AVOID OVEREXPOSURE.

PERSONAL PROTECTIVE EQUIPMENT (PPE): LAB COAT, APRON, GLOVES, GOGGLES, EYE WASH, SAFETY SHOWER.

RESPIRATOR TYPE(S): NONE REQUIRED WHERE ADEQUATE VENTILATION IS PROVIDED. IF AIRBORNE CONCENTRATIONS ARE ABOVE THE APPLICABLE EXPOSURE LIMITS, USE NIOSH/MSHA APPROVED RESPIRATORY PROTECTION.

EYE PROTECTION: WEAR CHEMICAL SPLASH GOGGLES WHEN HANDLING THIS PRODUCT. HAVE AN EYE WASH STATION AVAILABLE.

SKIN PROTECTION: AVOID SKIN CONTACT BY WEARING CHEMICALLY RESISTANT GLOVES, AN APRON AND OTHER PROTECTIVE EQUIPMENT DEPENDING UPON CONDITIONS OF USE. INSPECT GLOVES FOR CHEMICAL BREAK-THROUGH AND REPLACE AT REGULAR INTERVALS. CLEAN PROTECTIVE EQUIPMENT REGULARLY. WASH HANDS AND OTHER EXPOSED AREAS WITH MILD SOAP AND WATER BEFORE EATING, DRINKING, AND WHEN LEAVING WORK.

GLOVES: NATURAL LATEX, NEOPRENE, NITRILE, BUTYL RUBBER.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FLASHPOINT:	NOT AVAILABLE	LOWER FLAMMABILITY LIMIT:	NO DATA AVAILABLE
AUTO-IGNITION TEMPERATURE:	NO AVAILABLE	UPPER FLAMMABILITY LIMIT:	NO DATA AVAILABLE
BOILING POINT:	100°C	VOLATILE ORGANIC COMPOUND:	N/A
MELTING POINT:	NO DATA AVAILABLE	VOLATILE ORGANIC COMPOUND:	N/A
VAPOR PRESSURE:	<0.3 MM HG @ 25°C	EVAPORATION RATE (WATER=1)	NO DATA AVAILABLE
VAPOR DENSITY (AIR = 1):	3.4	VISCOSITY:	NO DATA AVAILABLE
SOLUBILITY:	SOLUBLE IN WATER	PH:	3-4
POUR POINT:	NOT AVAILABLE	MOLECULAR WEIGHT:	MIXTURE
MOLECULAR FORMULA:	MIXTURE	SPEC. GRAV. / DENSITY:	8.815 LBS. /GAL.
ODOR/APPEARANCE:	LIQUID / PUNGENT ACIDIC SMELL		

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: THIS MATERIAL MAY BE REACTIVE WITH CERTAIN AGENTS UNDER CERTAIN CONDITIONS.

CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS

POSSIBILITY OF HAZARDOUS REACTIONS: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

CONDITIONS TO AVOID: CONTACT WITH WATER. REACTION WITH WATER IS EXOTHERMIC.

INCOMPATIBLE MATERIALS: WATER-REACTIVE MATERIALS, WATER, ORGANIC COMPOUNDS, STRONG REDUCING AGENTS, ACETALDEHYDES, AMINES

HAZARDOUS DECOMPOSITION: NONE KNOW.

SECTION 11: TOXICOLOGICAL INFORMATION

BASED ON THE TEST DATA AND/OR INFORMATION ON THE COMPONENTS, THIS MATERIAL MAY PRODUCE THE FOLLOWING HEALTH EFFECTS:

INHALATION: RESPIRATORY TRACT IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE COUGH, SNEEZING, NASAL DISCHARGE, HEADACHE, HOARSENESS, AND NOSE AND THROAT PAIN.

SKIN CONTACT: MILD SKIN IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE LOCALIZED REDNESS, SWELLING, ITCHING, AND DRYNESS. ALLERGIC SKIN REACTION (NON-PHOTO INDUCED) IN SENSITIVE PEOPLE: SIGNS/SYMPTOMS MAY INCLUDE REDNESS, SWELLING, BLISTERING, AND ITCHING.

EYE CONTACT: MODERATE EYE IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE REDNESS, SWELLING, PAIN, TEARING, AND BLURRED OR HAZY VISION.

INGESTION: GASTROINTESTINAL IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE ABDOMINAL PAIN, STOMACH UPSET, NAUSEA, VOMITING AND DIARRHEA.

TARGET ORGAN EFFECTS: ALLERGIC SKIN REACTION (NON-PHOTO INDUCED) IN SENSITIVE PEOPLE. SIGNS/SYMPTOMS MAY INCLUDE REDNESS, SWELLING, BLISTERING, AND ITCHING.

TOXICOLOGICAL DATA: IF A COMPONENT IS DISCLOSED IN SECTION 3 BUT DOES NOT APPEAR IN A TABLE BELOW, EITHER NO DATA ARE AVAILABLE FOR THAT ENDPOINT OR THE DATA ARE NOT SUFFICIENT FOR CLASSIFICATION.

ACUTE TOXICITY

NAME	ROUTE	SPECIES	VALUE
SULFURIC ACID	ORAL	RAT	LD 50 2,140 MG/KG
SULFURIC ACID	INHALATION	GUINEA PIG	LC 50 30MG/M3
SULFURIC ACID	DERMAL	-	NOT AVAILABLE
AMMONIUM HYDROGEN FLUORIDE	ORAL	RAT	LD 50 60 – 130 MG/KG
AMMONIUM HYDROGEN FLUORIDE	INHALATION	-	NOT AVAILABLE
AMMONIUM HYDROGEN FLUORIDE	DERMAL	-	NOT AVAILABLE
ETHYLENE GLYCOL BUTYL	ORAL	GUINEA PIG	LD 50 1,200 MG/KG
ETHYLENE GLYCOL BUTYL	INHALATION	GUINEA PIG	LD 50 >633PPM, 1H.

SECTION 11: CONTINUED**ACUTE TOXICITY**

NAME	ROUTE	SPECIES	VALUE
Ethylene Glycol Butyl	DERMAL	GUINEA PIG	LD 50 >2,000 MG/KG
Dodecylbenzen	ORAL	RABBIT	LD 50: 1407 MG/KG
Dodecylbenzen	INHALATION	-	NO DATA AVAILABLE
Dodecylbenzen	DERMAL	-	NO DATA AVAILABLE
SKIN CORROSION/IRRITATION SERIOUS EYE DAMAGE/IRRITATION SKIN SENSITIZATION RESPIRATORY SENSITIZATION GERM CELL MUTAGENICITY CARCINOGENICITY REPRODUCTIVE TOXICITY REPRODUCTIVE AND/OR DEVELOPMENTAL EFFECTS SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE ASPIRATION HAZARD			

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: MODERATE ECOLOGICAL HAZARD. THIS PRODUCT MAY BE DANGEROUS TO PLANTS AND/OR WILDLIFE.

MOBILITY: THIS MATERIAL IS EXPECTED TO HAVE HIGH MOBILITY IN SOIL. IT ABSORBS WEAKLY TO MOST SOIL TYPES.

PERSISTENCE: BIODEGRADATION, ADSORPTION TO SEDIMENT, AND BIO-CONCENTRATION TO AQUATIC ORGANISMS SHOULD NOT BE SIGNIFICANT.

BIOACCUMULATION: BIOCONCENTRATION IS NOT EXPECTED TO OCCUR.

DEGRADABILITY: DOES NOT BIODEGRADE READILY.

OTHER ADVERSE EFFECT: NO DATA

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION 14: TRANSPORT INFORMATION

BECAUSE THIS IS PRODUCED AND SHIPPED IN SEVERAL DIFFERENT SIZES AS WELL AS DOMESTICALLY AND INTERNATIONALLY, PLEASE CONSULT YOUR TRANSPORTATION SPECIALIST FOR THE PROPER SHIPPING NAME AND CLASS.

SECTION 15: REGULATORY INFORMATION

AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986) SECTIONS 311 AND 312

311/312 HAZARD CATEGORIES:

FIRE HAZARD – NO, PRESSURE HAZARD – NO, REACTIVITY HAZARD – NO, IMMEDIATE HAZARD – YES, DELAYED HAZARD – NO

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III (EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986) SECTION 313:

TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF THAT SECTION AND 40 CFR PART 372(EPCRA):

INGREDIENT	CAS NO.	% BY WT.
ALUMINUM OXIDE	1344-28-1	10-20

COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980 (CERCLA) SECTION 103 THIS MATERIAL DOES NOT CONTAIN ANY COMPONENTS WITH A CERCLA RQ

CALIFORNIA PROP. 65 THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS KNOWN TO STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, OR ANY OTHER REPRODUCTIVE HARM.

UNITED STATES TSCA INVENTORY (TSCA) ALL COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE INVENTORY LISTING REQUIREMENTS OF THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

THIS SDS HAS BEEN PREPARED TO MEET THE U.S. OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200

SECTION 16: OTHER INFORMATION

NFPA HAZARDOUS CLASSIFICATION

HEALTH: 3

FLAMMABILITY: 0

INSTABILITY: 0

SPECIAL HAZARD: NONE

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