

5X POWDER

MSDS Information

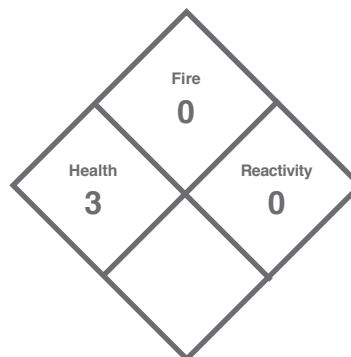
Material Safety Data Sheet

Product Name: 5X POWDER

24 Hour Emergency Number - Chem-Tel: 1-800-255-3924

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VMC
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SECTION 1

CHEMICAL PRODUCT IDENTIFICATION

PRODUCT IDENTIFIER: 5X

GENERAL USE: POLISHING AGENT

GENERIC NAME: MIXTURE-NOT APPLICABLE

SECTION 2

COMPOSITION OF INGREDIENTS

OXALIC ACID CAS#6153-56-6 <50% BY WT. TLV 1 MG/M³ STEL 2MG/³ ACGIH
ALUMINUM OXIDE CAS#1344-28-1 <30% BY WT. Not classified as a human carcinogen

SECTION 3

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS:

DANGER! MAY BE FATAL IF SWALLOWED OR INHALED.

CAUSES EYE IRRITATION.

CONTACT MAY CAUSE BURNS TO SKIN.

POTENTIAL HEALTH EFFECTS

EYES: IRRITATING. MAY INJURE EYE TISSUE IF NOT REMOVED PROMPTLY.

SKIN: IRRITATING. MAY CAUSE BURNS IF NOT REMOVED PROMPTLY.

INGESTION: MAY BE FATAL IF SWALLOWED. IRRITATING TO MOUTH, THROAT AND STOMACH. MAY CAUSE GASTRIC TRACT DISORDER.

INHALATION: MISTS ARE IRRITATING TO EYES AND RESPIRATORY TRACT IN HIGH CONCENTRATIONS.

SECTION 4

FIRST AID MEASURES

EYES: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF COOL WATER FOR AT LEAST 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION AFTER FLUSHING.

SKIN: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER; USE SOAP IF AVAILABLE. REMOVE CONTAMINATED CLOTHING, INCLUDING SHOES, AFTER FLUSHING HAS BEGUN. GET MEDICAL ATTENTION.

INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. DILUTE WITH SEVERAL GLASSES OF WATER. GET PROMPT MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: USING PROPER RESPIRATORY PROTECTION, IMMEDIATELY REMOVE AFFECTED VICTIM FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP AT REST. GET PROMPT MEDICAL ATTENTION.

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FIREFIGHTING MEASURES

FLASHPOINT AND METHOD: NOT FLAMMABLE

HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE AND WHATEVER SURROUNDING FIRE PRODUCES.

FIREFIGHTING PROCEDURES: USE WATER SPRAY TO COOL FIRE EXPOSED SURFACES AND TO PROTECT PERSONNEL. ISOLATE "FUEL" SUPPLY FROM FIRE IF IT CAN BE DONE WITH NO DANGER TO PERSONNEL.

SECTION 6

ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS:

WATER SPILL: CONSULT AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY WITH LOCAL REGULATIONS.

LANDSPILL: ELIMINATE SOURCES OF IGNITION. PREVENT ADDITIONAL DISCHARGES OF MATERIAL IF POSSIBLE TO DO SO WITHOUT HAZARD. FOR SMALL SPILLS IMPLEMENT CLEANUP PROCEDURES; FOR LARGE SPILLS IMPLEMENT CLEANUP PROCEDURES AND, KEEP PUBLIC AWAY AND ADVISE AUTHORITIES. ALSO, IF THIS PRODUCT IS SUBJECT TO CERCLA REPORTING (SEE SECTION 7) NOTIFY THE NATIONAL RESPONSE CENTER. PREVENT LIQUID FROM ENTERING SEWERS, WATERCOURSES, OR LOW AREAS. CONTAIN SPILLED LIQUID WITH SAND OR EARTH. RECOVER BY PUMPING OR WITH SUITABLE ABSORBENT. CONSULT AN EXPERT ON THE DISPOSAL OF RECOVERED MATERIAL AND ENSURE CONFORMITY WITH LOCAL REGULATION.

GENERAL PROCEDURES: KEEP CONTAINER CLOSED WHEN NOT IN USE. HANDLE AND OPEN CONTAINERS WITH CARE. STORE IN A COOL, WELL VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS.

DO NOT HANDLE OR STORE NEAR AN OPEN FLAME, HEAT OR OTHER SOURCES OF IGNITION. PROTECT MATERIAL FROM DIRECT SUNLIGHT. THIS MATERIAL IS NOT A STATIC ACCUMULATOR, BUT USE PROPER GROUNDING PROCEDURES.

DO NOT PRESSURIZE, CUT, HEAT OR WELD CONTAINERS. EMPTY PRODUCT CONTAINERS MAY CONTAIN PRODUCT RESIDUE. DO NOT REUSE EMPTY CONTAINERS WITHOUT COMMERCIAL CLEANING OR RECONDITIONING.

STORAGE TEMPERATURE: 120°F MAXIMUM.

ELECTROSTATIC ACCUMULATION HAZARD: NO, BUT USE PROPER GROUNDING PROCEDURE.

SECTION 7

HANDLING AND STORAGE

STORAGE: MAINTAIN UNDER PROPER STORAGE CONDITIONS. "PROPER STORAGE CONDITIONS" MEAN STORAGE IN SEALED CONTAINERS IN COOL (7° TO 32°, 45° TO 90°F), DRY, WELL VENTILATED AREA. AVOID EXCESSIVE TEMPERATURES, FREEZING CONDITIONS. DO NOT CONTAMINATE PRODUCT.

USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR OR MIST. WASH THOROUGHLY AFTER USE.

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SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: VENTILATION SHOULD BE PROVIDED TO CONTROL WORKER EXPOSURES AND PREVENT HEALTH RISK.
PERSONAL PROTECTION: FOR OPEN SYSTEMS WHERE CONTACT IS LIKELY, WEAR LONG SLEEVES, CHEMICAL RESISTANT GLOVES, CHEMICAL RESISTANT APRON AND CHEMICAL GOGGLES AND/OR FACE MASK.
WHERE OVEREXPOSURE BY INHALATION (MISTING CONDITIONS) MAY OCCUR AND ENGINEERING WORK PRACTICE OR OTHER MEANS OF EXPOSURE REDUCTION ARE NOT ADEQUATE, APPROVED RESPIRATORS MAY BE NECESSARY.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	POWDER
ODOR:	NONE
APPEARANCE:	TAN
PH:	1.3
VAPOR PRESSURE:	NOT DETERMINED
BOILING POINT:	NOT DETERMINED
FREEZING POINT:	NOT DETERMINED
SOLUBILITY IN WATER:	PARTIALLY SOLUBLE
SPECIFIC GRAVITY:	NOT DETERMINED
VISCOSITY:	NOT DETERMINED

SECTION 10 STABILITY AND REACTIVITY

STABLE: YES
HAZARDOUS POLYMERIZATION: NO
CONDITIONS TO AVOID: NONE KNOWN
POLYMERIZATION: NOT APPLICABLE.
NOTES: AVOID CONTACT WITH ALKALINE MATERIALS.
HAZARDOUS DECOMPOSITION: OXIDES OF CARBON, CARBON AND FORMIC ACID.

SECTION 11 TOXICOLOGICAL INFORMATION

NONE KNOWN

SECTION 12 ECOLOGICAL INFORMATION

NONE KNOWN

SECTION 13 DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL , STATE AND LOCAL AUTHORITIES

RCRA WASTE #, NOT LISTED

SECTION 14 TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: NOT REGULATED.

INTERNATIONAL (I.M.O.)
PROPER SHIPPING NAME: NOT REGULATED

AIR (I.C.A.O.)
PROPER SHIPPING NAME: NOT REGULATED

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SECTION 15

REGULATORY INFORMATION

UNITED STATES:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: NO PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: YES CHRONIC: NO

311/312 HAZARD CATEGORIES: UNDER THE PROVISIONS OF TITLE III, SECTIONS 311/312 OF THE SUPERFUND AMENDMENTS AND AUTHORIZATION ACT (SARA) THIS PRODUCT IS CLASSIFIED INTO THE HAZARDS LISTED ABOVE.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION AND LIABILITY ACT)
CERCLA REGULATORY: IF THE REPORTABLE QUANTITY OF THIS PRODUCT IS ACCIDENTALLY SPILLED, THE INCIDENT IS SUBJECT TO THE PROVISIONS OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) AND MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER BY CALLING 800-424-8802.

EPAL RQ

INGREDIENT: NONE

TSCA (TOXIC SUBSTANCES CONTROL ACT)

TSCA STATUS: COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY.

SECTION 16

OTHER INFORMATION

NFPA CODES:

FIRE: 0 HEALTH: 2 REACTIVITY: 0

HMIS CODES:

FIRE: 0 HEALTH: 3 REACTIVITY: 0

MANUFACTURERS DISCLAIMER:

THIS INFORMATION RELATES TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTY IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE. WE DO NOT ACCEPT LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM USE OF THIS INFORMATION NOR DO WE OFFER WARRANTY AGAINST PATENT INFRINGEMENT.

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