

MACDERMID INC.(FRMLY ALLIED-KELITE) -- IRIDITE 14-2 BRUSHON KIT,78659 -- 6850-01-360-9650

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Product Identification  
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Product ID:IRIDITE 14-2 BRUSHON KIT,78659  
MSDS Date:09/20/1996  
FSC:6850  
NIIN:01-360-9650  
Kit Part:Y  
MSDS Number: CFFJV  
=== Responsible Party ===  
Company Name:MACDERMID INC.(FRMLY ALLIED-KELITE)  
Address:245 FREIGHT STREET  
City:WATERBURY  
State:CT  
ZIP:06702  
Country:US  
Info Phone Num:203-575-5700  
Emergency Phone Num:203-575-5700/800-424-9300(CHEMTREC)  
CAGE:0PX54  
=== Contractor Identification ===  
Company Name:MACDERMID INC.(FRMLY ALLIED-KELITE)  
Address:245 FREIGHT STREET  
Box:City:WATERBURY  
State:CT  
ZIP:06702  
Country:US  
Phone:203-575-5606/800-424-9300(CHEMTREC)  
CAGE:0PX54

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Composition/Information on Ingredients  
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Ingred Name:CHROMIC ACID (SARA 313) (CERCLA)  
CAS:1333-82-0  
RTECS #:GB6650000  
Fraction by Wt: 35 - 55%  
Other REC Limits:NONE RECOMMENDED  
ENDED  
OSHA PEL:0.1 MG (CRO3)/M3  
ACGIH TLV:0.05 MG(CR)/M3;A1;96

Ingred Name:BARIUM NITRATE  
CAS:10022-31-8  
RTECS #:CQ9625000  
Fraction by Wt: 10 - 20%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:5 MG BA/M3  
ACGIH TLV:2 MG BA/M3

Ingred Name:FERRICYANIDE SALT  
Fraction by Wt: 7 - 10%  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:LD50 (ORAL, RAT) 52 MG/KG (CHROMIC ACID)  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY & GI TRACTS. ACUTE- EYE CONTACT CAN CAUSE SEVERE BURNS. SKIN CONTACT CAN CAUSE IRRITATION, ITCHING SENSATION & DAMAGE. INGESTION CAUSES IRRITATION, BURNING SENSATION OF LIPS, MOUTH & THROAT. INHALATION CAN CAUSE IRRITATION OF NOSE & THROAT. CHRONIC- MAY CAUSE SYSTEMIC EFFECTS.

Explanation of Carcinogenicity:CONTAINS CHROMIUM (+6).

Effects of Overexposure:

SEVERE IRRITATION, BURNS, PERFORATION OF NASAL SEPTUM, BURNING SENSATION IN THROAT, ABDOMINAL PAIN, VOMITING, INTENSE THIRST, SHOCK, SKIN SENSITIZATION, COUGHING, EXTREME DESTRUCTION OF TISSUES OF THE MUCOUS MEMBRANE AND UPPER RESPIRATORY TRACT

Medical Condition Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS, IMPAIRED RESPIRATORY FUNCTION OR KNOWN SENSITIZATION TO CHROMIC ACID OR CHROMATE MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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===== First Aid Measures =====

First Aid:GET MEDICAL ATTENTION IN ALL CASES. SPEED IS ESSENTIAL.  
EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN.  
SKIN:FLUSH WITH PLENTY OF WATER. INHALED:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, RINSE MOUTH, THEN DRINK LARGE AMOUNT OF WATER. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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===== Fire Fighting Measures =====

Flash Point:NONE

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:FLOOD WITH WATER. OTHER AGENTS MAY BE INEFFECTIVE. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:MAY INCREASE INTENSITY OF FIRE WHEN IN CONTACT WITH COMBUSTIBLES

STIBLE MATERIALS.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE CLOTHING & RESPIRATORY EQUIPMENT SUITABLE FOR TOXIC DUSTS. SWEEP, SCOOP OR PICK UP SPILLED MATERIAL. VACUUMING OR WET SWEEPING MAY BE USED TO AVOID DUST DISPERSAL. PACKAGE FOR LATER DI SPOSAL. VENTIALTE CLOSED AREAS BEFFORE ENTERING.

Neutralizing Agent:NOT RELEVANT

===== Handling and Storage =====

Handling and Storag

e Precautions:STORE AWAY FROM INCOMPATIBLE MATERIALS. AVOID STORAGE ON WOOD FLOORS. PROTECT AGAINST PHYSICAL DAMAGE.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT BREATHE DUSTS. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. CLOTHING CONTAMINATED WITH THIS PRODUCT IS DANGEROUSLY FLAMMABLE. RINSE WITH WA TER. ALWAYS ADD TO WATER SLOWLY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:FOR CONDITIONS WHE RE EXPOSURE TO DUST OR FUMES

IS APPARENT, A NIOSH APPROVED RESPIRATOR FOR DUST MISTS AND FUMES APPROPRIATE TO THE CONCENTRATION MAY BE WORN. IN EMERGENCY, WEAR SELF-CONTAINED BREATHI NG APPARATUS OPERATED IN + PRESSURE.

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NEOPRENE OR POLYVINYL

Eye Protection:CHEMICAL GOGGLES OR FACE SHIELD

Other Protective Equipment:APPROPRIATE PROTECTIVE (IMPERV IOUS) CLOTHING

AND EQUIPMENT, EYEWASH FOUNTAIN, EMERGENCY SHOWER

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

KEY1:D4. THIS PRODUCT IS A KIT CONSISTING OF TWO PARTS; IRIDITE 14-2

HAS PNI F AND ISOPREP 188 HAS PNI G, SAME NSN. FORMULA CHANGED. FOR PREVIOUS FORMULATIONS SEE PREVIOUS PART NUMBER INDICATORS, SAME NSN.

===== Physical/Chemical Properties =====

HCC:D3

NRC/Sta

te Lic Num:NOT RELEVANT  
Spec Gravity:1.12  
Viscosity:NOT RELEVANT  
Evaporation Rate & Reference:NOT RELEVANT  
Solubility in Water:MODERATE  
Appearance and Odor:RED SOLID - ODORLESS

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
BASES, REDUCING AGENTS, COMBUSTIBLE MATERIALS, ORGANIC MATERIALS  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:OXIDES OF NITROGEN, CYANIDE COMPOUNDS

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN COMPLIANCE WITH CURRENT LOCAL, STATE AND FEDERAL REGULATIONS. HEXAVALENT CHROMIUM IN SOLUTION CAN BE REDUCED TO TRIVALENT CHROMIUM BY SODIUM BISULFITE, SULFUR DIOXIDE, ETC.. NEUTRALIZE TO PH 7.5.

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