

## **HALTS RUST HR-15 GRAY, A0203A0225**

### **MSDS Number**

BRMKP

### **National Stock Number**

8010-00N012470

### **Product Name**

HALTS RUST HR-15 GRAY, A0203A0225

### **Manufacturer**

STEELCOTE MFG CO

### **Product Identification**

Product ID:HALTS RUST HR-15 GRAY, A0203A0225

MSDS Date:05/02/1989

FSC:8010

NIIN:00N012470

MSDS Number: BRMKP

### **Responsible Party**

STEELCOTE MFG CO

3418 GRATIOT S

ST LOUIS , MO 63103-2920

US

Emergency Phone: 314-771-8053

Info Phone: 314-771-8053

Preparer: BARBARA STELLER

Cage: DO668

### **Contractor**

STEELCOTE MFG CO

ST. LOUIS,, MO 63103

US

(314) 771-8053

Cage: DO668

### **Ingredients**

3.85 LB/GL (461 G/L)

RTECS: 9999999VO

STODDARD SOLVENT; (EXEMPT-MINERAL SPIRIT-RULE 66). VP

CAS: 8052-41-3

RTECS: WJ8925000

Fraction By Weight: 45%

OSHA PEL500 PPM

ACGIH TLV: 100 PPM; 9293

SILICA, CRYSTALLINE - QUARTZ; (SILICON DIOXIDE)

CAS: 14808-60-7

RTECS: VV7330000

Fraction By Weight:

OSHA PELSEE TABLE Z3

ACGIH TLV: 0.1 MG/M3 RDUST;9293

TITANIUM OXIDE; (TITANIUM DIOXIDE)

CAS: 13463-67-7

RTECS: XR2275000

Fraction By Weight: 15%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

ALUMINUM HYDROXIDE

CAS: 21645-51-2

RTECS: BD0940000

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

SILICON DIOXIDE, AMORPHOUS

CAS: 112945-52-5

RTECS: VV7310000

Fraction By Weight:

OSHA PELN/K

ACGIH TLV: N/K

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE/CHRONIC:CNTNS MATLS WHICH UPON RPTD OVEREXP MAY CAUSE: NARCOS, PNEUMOCONIOSIS, OR INHIBIT ALCOHOL METABOLISM. ANIMAL TESTS HAVE SHOWN POSS KIDNEY EFTS. RPTD OVEREXP TO DUST MAY CAUSE: LUNG DAM ( SILICOSIS) OR LUNG FIBROSIS. INHAL: OVEREXP MAY RSLT IN DROW, PNEUM, PULM EDEMA, NERV SYS DEPRESS/POSS (EFTS OF OVEREXP)

Explanation of Carcinogenicity:SILICA CRYSTALLINE-QUARTZ: GRP 2A (IARC). IARC MONOGRAPHS, SUPPLEMENT VOL 7 PG 341, 1987. ANTIC TO BE A (SUPP DATA)

Effects of Overexposure:HLTH HAZ: DEATH. SKIN: MOD IRRITATING. EYES: SEVERELY IRRITATING TO EYES & MAY CAUSE RED, TEAR/BLURRED VISION. SKIN ABSORP: SAME AS INHAL. INGEST: MAY CAUSE GI IRRIT, NAUS, VOMIT & DIARR. PULM ASPIR H AZ-MAY LEAD TO PNEUM-WHICH CAN BE FATAL. Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:INHAL: REMOVE TO FRESH AIR. IF BRTHG STOPS, APPLY ARTF RESP & SEEK MED ATTN. INGEST: DO NOT INDUCE VOMIT. CALL A PHYS. SKIN: IF CLTHG IS SOAKED, IMMED REMOVE CLTHG. WASH SKIN W/SOAP & WATER. LAUNDER C LTHG BEFORE WEARING. CALL A PHYS IF IRRIT DEVELOPS. EYE: FLUSH W/LG QTY OF WATER FOR AT LEAST 15 MINUTES. GET PROMPT MEDICAL ATTENTION.

## Fire Fighting

Flash Point Method:TCC  
Flash Point:108F,42C  
Lower Limits:1%  
Extinguishing Media:FOAM, ALCOHOL FOAM, CARBON DIOXIDE, DRY CHEMICAL.  
Fire Fighting Procedures:NIOOSH/MSHA APPRVD SCBA & FULL PROT EQUIP.  
BURNING WILL PRDCE FUMES. COOL FIRE EXPOSED CONTAINERS W/WATER.  
Unusual Fire/Explosion Hazard:VAPS ARE HVR/AIR & MAY TRAVEL ALONG  
GROUND/BE MOVED BY VENT TO IGNIT SOURCES @ LOCATIONS DISTANT FROM  
MATL HNDLG PT. VAPS CAN EXPLODE WHEN MIXED (SUPP DATA)

## Accidental Release

Spill Release Procedures:ELIMINATE IGNITION SOURCES & PROVIDE GOOD  
VENTILATION. FOR A LARGE SPILL, WEAR APPROPRIATE RESPIRATORY  
PROTECTION. DIKE SPILL AREA, SOAK UP W/INERT ABSORBENT MATERIAL AND  
PLACE IN CLOSED CONTAINERS FO R PROPER DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.  
Other Precautions:THIS COATING MAY CONTAIN MATERIALS CLASSIFIED AS  
NUISANCE PARTICULATES; FOR EXAMPLE, TITANIUM DIOXIDE, CALCIUM  
CARBONATE, ETC. WHICH MAY BE PRESENT AT HAZ LEVELS ONLY DURING  
SAND/ABRADING OF DRIED FIL M.

## Exposure Controls

Respiratory Protection:IF EXPOS EXCEEDS TLV USE APPROP NIOSH/MSHA  
APPRVD RESP PROT EQUIP W/IN USE LIMITATIONS OF THESE DEVICES; IN  
ALL OTHER SITUATIONS USE NIOSH/MSHA APPROVED SCBA.  
Ventilation:EXPLO PROOF LOC EXHAUST VENT @ POINT OF CONTAM REL IS RECOM  
ALONG W/GOOD GEN MECH VEN.  
Protective Gloves:IMPERVIOUS GLOVES.  
Eye Protection:CHEM SFTY GOG & FULL LENGTH FSHLD.  
Other Protective Equipment:EYE BATH, SAFETY SHOWER, BARRIER CREAM AND  
PROTECTIVE CLOTHING.  
Work Hygienic Practices:MAINTAIN GOOD HOUSEKEEPING. WASH HANDS BEFORE  
EATING OR SMOKING. WASH CLOTHES AFTER EACH USE.  
Supplemental Safety and Health  
EXPLO HAZ: WITH AIR AND IGNITED. AVOID SPREADING LIQUID AND FIRE BY  
WATER FLOODING. EXPLAN OF CARCIN: CARCINOGEN (NTP). NTP 6TH ANNUAL  
REPORT ON CARCINOGENS, 1991.

## Chemical Properties

HCC:F4  
Boiling Pt:B.P. Text:318F,159C  
Vapor Pres:SEE INGRED  
Vapor Density:HVR/AIR  
Spec Gravity:1.1(H\*20=1)  
Evaporation Rate & Reference:SLOWER THAN ETHER  
Appearance and Odor:ALKYD, SINGLE PACKAGE

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS AND OXIDIZING AGENTS.  
Stability Condition to Avoid:EXCESSIVE HEAT AND ANY SOURCE OF IGNITION.  
Hazardous Decomposition Products:TOXIC FUMES, CARBON MONOXIDE, NH\*3,  
AND CARBON DIOXIDE.

## Disposal

Waste Disposal Methods:COMPLY WITH FEDERAL, STATE AND LOCAL  
REGULATIONS.

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