

PRAXAIR SURFACE TECHNOLOGIES INC -- CRO-131 (PRODUCT CODE 062018-10) --  
3439-01-426-1320

===== Product Identification =====

Product ID:CRO-131 (PRODUCT CODE 062018-10)  
MSDS Date:03/23/1994  
FSC:3439  
NIIN:01-426-1320  
Status Code:A  
MSDS Number: CJTGZ  
=== Responsible Party ===  
Company Name:PRAXAIR SURFACE TECHNOLOGIES INC  
Address:1555 MAIN STREET  
City:INDIANAPOLIS  
State:IN  
ZIP:46224-3283  
Country:US  
In  
fo Phone Num:317-240-2650  
Emergency Phone Num:317-240-2209  
Preparer's Name:MICHELLE ALEXANDER  
Chemtrec Ind/Phone:(800)424-9300  
CAGE:0FGH2  
=== Contractor Identification ===  
Company Name:PRAXAIR SURFACE TECHNOLOGIES INC  
Address:1555 MAIN STREET  
Box:City:INDIANAPOLIS  
State:IN  
ZIP:46224-3283  
Country:US  
Phone:317-240-2650  
CAGE:0FGH2  
Company Name:STARGHILL TECHNOLOGIES CORP  
Address:3850 OAKMAN BLVD  
Box:City:DETROIT  
State:MI  
ZIP:48204-1119  
Country:US  
Phone:313-933-4141  
Contract Num:SP0490-95-D-4037  
CAG

E:0VYG8

===== Composition/Information on Ingredients =====

Ingred Name:CHROMIUM OXIDE

CAS:1308-38-9

RTECS #:GB6475000

> Wt:75.

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE- NO EVIDENCE OF ADVERSE EFFECTS.

CHRONIC- NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE  
INFORMATION.

Explanation of Carc

inogenicity:CHROMIUM HAS BEEN DETERMINED TO CAUSE

CANCER IN EXPERIMENTAL ANIMALS (IARC, NTP).

Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY AGGRAVATE

ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE. MAY ALSO  
AGGRAVATE AN EXISTING DERMATITIS.

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

First Aid:INGESTION: NO HARMFUL EFFECTS EXPECTED. SKIN: WASH

THOROUGHLY WITH SOAP AND WATER. INHALATION: NO EMERGENCY CARE

ANTICIPATED. EYES: FLU

SH THOROUGHLY WITH WATER. NOTES TO

PHYSICIAN: THERE IS NO SP ECIFIC ANTIDOTE. TREATMENT OF

OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE  
CLINICAL CONDITION.

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

Flash Point:NONE

Lower Limits:NONE

Upper Limits:NONE

Extinguishing Media:USE SPECIAL DRY POWDER METAL EXTINGUISHING MATERIAL

TO EXTINGUISH METAL FIRES. USE APPROPRIATE EXTINGUISHER TO

EXTINGUISH COMBUSTABLE MATERIALS THAT MAY BE I

IGNITED BY THERMAL  
FLAME.

Fire Fighting Procedures:CONSULT AND COMPLY WITH ANSI Z49.1 SAFETY IN WELDING AND CUTTING, NFPA51B STANDARD FOR FIRE PREVENTION IN USE OF CUTTING AND WELDING PROCESSES. NFPA51B OXYGEN-FUEL GAS SYSTEMS FOR WELDING AND CUTTING, AND NFPA58 STANDARD FOR THE STORAGE AND HANDLING OF LIQUIFIED PETROLEUM GASES.

Unusual Fire/Explosion Hazard:AIRBORNE DUST PARTICLES, ESPECIALLY METAL DUST, AND ACCUMULATION OF SUCH SHOULD BE TREATED AS EXPLOSIVES. TO MI

MINIMIZE DANGER FROM DUST EXPLOSIONS, ADEQUATE VENTILATION SHOULD BE PROVIDED TO SPRAY BOOTH IN ACCORDANCE WITH AMERICAN WELDING SOCIETY PUBLICATION AWS C2.1-73, AND ACGIH PUBLICATION "INDUSTRIAL VENTILATION".

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT TO PROTECT AGAINST HAZARDS AND DISPOSE OF PER WASTE DISPOSAL METHOD.

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

Other Precaution

s:CAUTION: WHEN THERMAL SPRAYING - ELECTRICITY CAN CAUSE FATAL SHOCK! DO NOT TOUCH LIVE ELECTRICAL PARTS! ARC RAYS CAN BURN EYES AND SKIN! WEAR RECOMMENDED EYE AND BODY PROTECTION. FUMES, GAS, & DUST CAN HARM YOUR HEALTH. PROVIDE ENOUGH VENTILATION AND WEAR RESPIRATORS.

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

Respiratory Protection:DEPENDS UPON SPECIFIC USE, CONDITION, AND LOCATION. IF THERE IS DUSTINESS, WEAR RESPIRATOR SELECTED PER OSHA 1

910.134, AND OSHA 29 CFR 1910.252 AND ANSI Z49.1

Ventilation:LOCAL DUST PICK UP AND VENTILATION RECOMMENDED.

Protective Gloves:NOT REQUIRED.

Eye Protection:WHEN DUSTY USE GOGGLES PER OSHA 1910.13.

Other Protective Equipment:SEE ANSI Z49.1, ANSI Z87.1, ANSI Z88.2 FOR HELMETS, FACE SHIELDS AND GOGGLES.

Supplemental Safety and Health

CAUTION: WHEN THERMAL SPRAYING-ELECTRICITY CAN CAUSE FATAL SHOCK! DO NOT TOUCH LIVE ELECTRICAL PARTS! ARC RAYS CAN BURN EYES AND SKIN! WEAR RECOMMENDED EYE

ANDBODY PROTECTION. FUMES, GAS, AND DUST CAN  
HARM YOUR HEALTH. PROVIDE ENOUGH VENTILATION AND WEAR  
RESPIRATORS.(OTHER INFO)

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

HCC:N1  
Boiling Pt:B.P. Text:NONE  
Vapor Density:N/VOLATILE  
Appearance and Odor:DUSTY DARK GREEN POWDER

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

Stability Indicator/Materials to Avoid:YES  
NONE KNOWN  
Stability Condition to Avoid:NONE KNOWN  
Hazardous Decomposition Products:WHEN THERMAL SPRAYING, DECOMPOSITION  
PRODUCTS WILL VARY WITH OPERATING CONDITIONS. DECOMPOSITION  
PRODUCTS OF NORMAL OPERATION FROM THIS THERMAL SPRAY POWDER-  
OXIDES, SUB-OXIDES, ETC.

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

Waste Disposal Methods:DISPOSE OF WASTE PER LOCAL, STATE, AND FEDERAL  
REGULATIONS.

===== MSDS Transport Information =====

Transport Information:PROPER SHIPPING NAME: METAL ALLOY POWDER NOI ITEM  
136500 SUB 1.

===== Regulatory Information =====

SARA Title III Information:NONE  
State Regulatory Information:NONE

===== Other Information =====

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