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PRAXAIR SURFACE TECHNOLOGIES INC -- ALO-101 (PRODUCT CODE 061001-04) 3439-01-425-8388

Product ID:ALO-101 (PRODUCT CODE 061001-04)

MSDS Date:06/07/1994

FSC:3439

NIIN:01-425-8388

Status Code:A

MSDS Number: CJTJB === Responsible Party ===

Company Name: PRAXAIR SURFACE TECHNOLOGIES INC

Address:1555 MAIN STREET

City: INDIANAPOLIS

State:IN

ZIP:46224-3283

Country:US

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nfo 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

CA

GE:0VYG8
======= Composition/Information on Ingredients ========
Ingred Name:ALUMINUM OXIDE CAS:1344-28-1 RTECS #:BD1200000 > Wt:75.
OSHA PEL:15 MG/M3 ACGIH TLV:10 MG/M3
=========== Hazards Identification ==============
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:SKIN CONTACT: MAY CAUSE IRRITATION. EYE CONTACT: MAY CAUSE IRRITATION. SKIN ABSORPTION MAY SHO W
EVIDENCE OF IRRITATION. INHALATION: MAY CAUSE INCREASE IN BLOOD WHITE CELL COUNTS. EFFECTS OF PEPEATED O VEREXPOSURE: MAY CAUSE SKIN SENSITIZATION IN SUSCEPTABLE INDIVIDUALS. MAY CAUSE DERMATITIS PAPULES.
Explanation of Carcinogenicity:NONE CURRENTLY KNOWN Effects of Overexposure:EYE CONTACT: MAY EXPERIENCE REDNESS OF THE CONJUNCTIVA. SWALLOWING: MAY CAUSE NAUSEA. INHALATION: MAY CAUSE FEVER AND/OR COUGH.
Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY AGGRAVA TE
ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE. MAY ALSO AGGRAVATE AN EXISTING DERMATITIS.
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First Aid:.SKIN: WASH THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. OXYGEN MAY BE GIVEN. CALL A PHYSICIAN. EYES:FLUSH THOROUGHLY WITH WATER. SW ALLOWING: NO HARMFUL EFFECTS EXPECTED. NOTE TO PHYSICIAN: THERE IS NO SPECIFIC ANTIDOTE. TREA TMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS AND THE CLINICAL CONDITION.
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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 IGNITED BY THERMAL FLAME.
Fire Fighting Procedures:CONSULT AND COMPLY WITH ANSI Z49.1 SA

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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 MINIMIZE DANGER FROM DUST EXPLOSIONS, ADEQUATE VENTILATION SHOULD BE PROVIDED TO SPRAY BO

OT H IN ACCORDANCE WITH AMERICAN WELDING SOCIETY PUBLICATION AWSC2.1-73, AND ACGIH PUBLICATION "INDUSTRIAL VENTILATION".

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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT TO PROTECT AGAINST HAZARDS AND DISPOSE OF PER WASTE DISPOSAL METHOD.
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Other Precautions: 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 CA N 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 1910.134, AND OSHA 29 CFR 1910.252 AND ANSI Z49.1

Ventilation:LOCAL DUST PICK UP AND VENTILA TION RECOMMENDED.

Protective Gloves: NOT REQUIRED.

Eve 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 AND BODY PROTECTION. FUMES, GAS, AND DUST CAN HARM YOUR HEALTH. PROVIDE ENOUGH VENTIL

======== Physical/Chemical Properties =========
HCC:N1 Boiling Pt:B.P. Text:NONE Vapor Density:N/VOLATILE Appearance and Odor:FINE WHITE 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. DEC
OMPOSITION 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.
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SARA T itle III Information:NONE Federal Regulatory Information:NONE State Regulatory Information:NONE
========= Other Information ===========
Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever,

ATION AND WEAR RESPIRATORS

(OTHER INFO).

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