

N/P -- TAFE 1248 COBALT-MOLYBDENUM-CHROMIUM-SILICO -- 3439-01-397-4204

Product ID:TAFE 1248 COBALT-MOLYBDENUM-CHROMIUM-SILICO

MSDS Date:01/01/1987

FSC:3439

NIIN:01-397-4204

MSDS Number: BYCGR

=== Responsible Party ===

CAGE:26057

=== Contractor Identification ===

Company Name:TAFE INC

Address:146 PEMBROKE RD

Box:City:CONCORD

State:NH

ZIP:03301

Country:US

Phone:603-224-9585

CAGE:26057

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

Ingred Name:CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 20% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000

Fraction by Wt: 28% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9192

Ingred Name:SILICON

CAS:7440-21-3

RTECS #:VW0400000

Fraction by Wt: 3% %

Other REC Limits:NONE RECOMMENDED

OSHA PEL:10

MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:COBALT (SARA III)  
CAS:7440-48-4  
RTECS #:GF8750000  
Fraction by Wt: 49% %  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.05 MG/M3  
ACGIH TLV:0.05 MG/M3;DUST 9192

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

LD50 LC50 Mixture:NOT GIVEN FOR PRODUCT AS A WHOLE

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

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

Health Hazards Acute and Chronic:SHORT TERM EXPOSURE  
TO POWDER AND

SPRAY ARC FUMES MAY RESULT IN IRRITATION OF THE NOSE, THROAT, EYES  
AND SKIN. CHRONIC OVEREXPOSURE TO POWDER AND SPRAY ARC FUMES MAY  
RESULT IN BRONCHIAL ASTHMA, LUNG FIBROSIS OR PNEUMOCONIOSIS.  
ELECTRIC SHOCK CAN KILL. ARC RAYS MAY INJURE EYES AND BURN SKIN. NO  
HAZARD DURING STORAGE.

Explanation of Carcinogenicity:CONTAINS CHROMIUM AND COBALT COMPOUNDS  
CONSIDERED AS CARCINOGENS PER MANUFACTURER.

Effects of Overexposure:RESPIRATORY TRACT IRRITATION, TIGHTENING OF

CHEST, PRODUCTIVE COUGH, SKIN IRRITATION, SKIN ULCERS, DERMATITIS,  
WEIGHT LOSS, EYE IRRITATION, REDUCED PULMONARY FUNCTION, ULCERATION  
AND PERFORATION OF NASAL SEPTUM.

Medical Cond Aggravated by Exposure:IMPAIRED LUNG FUNCTION (ASTHMA-LIKE  
CONDITIONS).

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

First Aid:INHALATION: IF PULMONARY SYMPTOMS DEVELOP, REMOVE FROM  
EXPOSURE AND SEEK MEDICAL ATTENTION. SKIN: WASH THOROUGHLY WITH  
SOAP AND WATER.

IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION.

EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 10 MINUTES.

IF IRRITATION DEVELOPS, SEEK MEDICAL ATTENTION. INGESTION: DRINK  
LARGE AMOUNTS OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION.

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

Flash Point:NONFLAMMABLE

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA

OF SPILL. USE CLEANUP METHODS WHICH AVOID DUST GENERATION SUCH AS VACUUMING WITH APPROPRIATE FILTERS. IF DUST IS GENERATED, USE AN APPROPRIATE NIOSH APPROVED RESPIRATOR.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. MAINTAIN GOOD HOUSEKEEPING PROCEDURES TO PREVENT ACCUMULATION OF DUST. USE CLEANUP METHODS WHICH MINIMIZE DUST GENERATION.

Other Prec

cautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT SHAKE CLOTHING TO REMOVE DUST. AVOID INHALATION AND SKIN CONTACT.

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

Respiratory Protection:IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW THE APPLICABLE LIMITS, WEAR A PROPERLY FITTED FUME/DUST RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST INGREDIENTS. REFER TO OSHA STANDARD 191 0.134, ON RESPIRATORY PROTECTION.

Ventilation:USE ENOUGH VENTILATION

TO KEEP DUSTS, FUMES AND GASES BELOW

THE PELS AND TLVS IN WORKER'S BREATHING ZONE.

Protective Gloves:WHEN WELDING, USE WELDER'S GLOVES

Eye Protection:USE NO.3 OR NO. 5 SHADE SAFETY GLASSES

Other Protective Equipment:RESISTANT CLOTHING AS NECESSARY TO PREVENT

SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER

BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

PROD

UCT NOT A HAZARD AS SHIPPED/STORED. HAZARD OCCURS WHEN USED IN

WELDING. ARC SPRAY FUMES AND GASES CANNOT BE CLASSIFIED SIMPLY. THE

COMPOSITION AND QUANTITY ARE DEPENDENT UPON THE METAL BEING SPRAY ED.

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

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, OZONE, CHROMIUM OXIDES, COBALT OXIDES, SILICA, MOLYBDENUM

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

===

Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. PRODUCT MAY BE RECLAIMED OR RECYCLED THROUGH METAL RECYCLER.

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, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.