

HOBART TAFA TECHNOLOGIES INC -- CHROME CARBIDE 15 NICKEL CHROMIUM,1372 V --  
3439-01-397-5992

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

Product ID:CHROME CARBIDE 15 NICKEL CHROMIUM,1372 V

MSDS Date:07/15/1994

FSC:3439

NIIN:01-397-5992

MSDS Number: BYCGY

=== Responsible Party ===

Company Name:HOBART TAFA TECHNOLOGIES INC

Address:146 PEMBROKE RD

City:CONCORD

State:NH

ZIP:03301

Country:US

Info Phone Num:603-

224-9585

Emergency Phone Num:603-224-9585

CAGE:FO895

=== Contractor Identification ===

Company Name:HOBART TAFA TECHNOLOGIES INC

Address:146 PEMBROKE RD

City:CONCORD

State:NH

ZIP:03301-5000

Country:US

Phone:603-224-9585

CAGE:FO895

Company Name:STARGHILL TECHNOLOGIES CORP

Address:3850 OAKMAN BLVD

Box:City:DETROIT

State:MI

ZIP:48204-1119

Country:US

Phone:313-933-4141

CAGE:0VYG8

Company Name:TAFA INC

Address:146 PEMBROKE RD

Box:City:CONCORD

State:NH

ZIP:03301

Country:US

Phone:603-224-9585

CAGE:2605

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 ===== Composition/Information on Ingredients =====  
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Ingred Name:CHROMIUM (SARA 313) (CERCLA)

CAS:7440-47-3

RTECS #:GB4200000

Fraction by Wt: 3%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:NICKEL (SARA 313) (CERCLA)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: 12%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9495

Ingred Name:CHROMIUM CARBIDE

CAS:12012-35-0

Fraction by

Wt: 85%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.5 MG CR/M3

ACGIH TLV:0.05 MG CR/M3

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 ===== Hazards Identification =====  
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LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT RELEVANT.

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY  
 TRACT. ACUTE- ARC RAYS CAN INJURE EYES & BURNS SKIN. INHALATION OF  
 FUMES MAY DAMAGE LUNGS. SWALLOWI

NG CHROMIUM SALTS CAN CAUSE SEVERE

INJURY/DEATH. DUST ON SKIN CA N FORM ULCERS & ON EYES CAUSES BURNS.

ALLERGIC REACTION MAY OCCUR. CHRONIC- ULCERATION, LUNG FIBROSIS,  
 BRONCHIAL ASTHMA.

Explanation of Carcinogenicity:CONTAINS NICKEL AND CHROMIUM.

Effects of Overexposure:IRRITATION, SKIN DERMATITIS OR ECZEMA, COUGH,  
 WHEEZING AND SHORTNESS OF BREATH, DECREASED PULMONARY FUNCTION,  
 HEADACHE, NAUSEA, VOMITING, WEAKNESS, CONVULSIONS, RESPIRATORY AND  
 SKIN SENSITIZATION, BUR NS,

METALLIC TASTE, METAL FUME FEVER

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT MAY HAVE INCREASED SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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First Aid Measures  
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First Aid:OBTAIN MEDICAL ATTENTION IF NEEDED. EYES:FLUSH WITH WATER FOR 10 MINUTES. KEEP EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INHALATION:MOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.

INGESTION:DRINK LA RGE AMOUNT OF WATER & INDUCE VOMITING. CALL PHYSICIAN.

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Fire Fighting Measures  
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Flash Point:NONE

Extinguishing Media:COVER BURNING POWDER WITH DRY SAND OR LIMESTONE TO SMOTHER FLAMES. IF FIRE OCCURS IN DRUMS, SEAL DRUM WITH LID.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:FINE METAL DUSTS MAY PRESENT FIRE OR EXPLOSION HAZARD IN CONFINED AREAS. THIS IS NOT EXPECTED UNDER NORMAL HANDLING PROCEDURES.

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Accidental Release Measures  
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. VACUUM LOOSE POWDER ONLY WITH VACUUMS EQUIPPED WITH HEPA FILTERATION. WIPE AREA CLEAN. DO NOT USE WATER FOR CLEAN UP OPERATION. DO NOT SWEEP. PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST.

Neutralizing Agent:NOT RELEVANT

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Hand  
ling and Storage  
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Handling and Storage Precautions:STORE IN A DRY, VENTILATED PLACE AWAY FROM INCOMPATIBLES. KEEP CONTAINER TIGHTLY CLOSED. KEEP OUT OF REACH OF CHILDREN.

Other Precautions:AVOID INGESTION, INHALATION AND EXCESSIVE SKIN CONTACT. AVOID BREATHING OF FUMES OR DUST. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING. REMOVE CONTAMINATED CLOTHING. LAUNDRY BEFORE REUSE.

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Exposure Contr

ols/Personal Protection =====

Respiratory Protection:A NIOSH-APPROVED RESPIRATOR WITH FILTER CARTRIDGES APPROVED FOR DUST/FUMES/MISTS SHOULD BE WORN AT ALL TIMES DURING THE THERMAL SPRAY PROCESS. RESPIRATORS MAY ALSO BE WORN WHEN PRODUCT HANDLING GENERATES DUST.

Ventilation:USE ENOUGH VENTILATION TO KEEP THE DUSTS, FUMES AND GASES BELOW THE PELS OR TLVS IN THE WORKER'S BREATHING ZONE.

Protective Gloves:WELDER'S GLOVE WHEN WELDING

Eye Protection:USE # 5 SHADE SAFETY GLASSES IF WELDING.

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, HEAD, HAND & BODY PROTECTION TO PREVENT INJURY FROM RADIATION, SPARKS & ELECTRIC SHOCK.

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

Supplemental Safety and Health

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

HCC:T6

NRC/State Lic Num:NOT RELEVANT

Melt/Freeze Pt:M.P/F.P Text:2372F,1300C

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE

Appearance and Odor:GREY POWDER - NO ODOR

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

Stability Indicator/Materials to Avoid:YES

ACIDS

Stability Condition to Avoid:PRODUCTION OF FINE POWDER

Hazardous Decomposition Products:WELDING FUMES (OXIDES OF METAL BEING WELDED) & GASES SUCH AS OZONE, CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES

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

Waste Disp

osal Methods:PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS RECOVERY VALUE. EMPTY PRODUCT CONTAINERS, PROUCT WASTE AND CLEANING MEDIA SHOULD BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. PREVENT WASTE FROM CONTAMINATING ENVIRONMENT.

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