

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
=== Contrac
tor 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:26057

===== 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

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

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. SWALLOWING CHROMIUM SALTS CAN CAUSE SEVERE
INJURY/DEATH. DUST ON SKI
N 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 Expo

sure:INDIVIDUALS WITH PRE-EXISTING
DISEASES OF THE EYE, SKIN, RESPIRATORY TRACT MAY HAVE INCREASED
SUSCEPTIBILITY TO THE TOXICITY OF EXCESSIVE EXPOSURES.

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

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.

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

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 HANDLIN
G PROCEDURES.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA.
VACUUM LOOSE POWDER ONLY WITH VACUUMS EQUIPPED WITH HEPA
FILTRATION. 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

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

Handling and Storage P

recautions: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 CONTAMINA TED CLOTHING. LAUNDER BEFORE REUSE.

===== Exposure Controls/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, SA
FETY 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 O
dor: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
WELD) & GASES SUCH AS OZONE, CARBON MONOXIDE, CARBON DIOXIDE,
NITROGEN OXIDES

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

Waste Disposal Methods:PRIOR TO DISPOSAL, CONSIDER IF MATERIAL HAS
REC

OVERY 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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