

## **T-084 NI-173**

### **MSDS Number**

BNXSW

### **National Stock Number**

3439-00F024494

### **Product Name**

T-084 NI-173

### **Manufacturer**

UNION CARBIDE COATING SERVICE CORP

### **Product Identification**

Product ID:T-084 NI-173

MSDS Date:09/20/1990

FSC:3439

NIIN:00F024494

MSDS Number: BNXSW

### **Responsible Party**

UNION CARBIDE COATING SERVICE CORP

1555 MAIN STREET

INDIANAPOLIS , IN 46224-3283

US

Emergency Phone: (800) 822-4357 OR (317) 240-2650

Info Phone: (800) 822-4357 OR (317) 240-2650

Cage: UNICA

### **Contractor**

UNION CARBIDE COATINGS SERVICE CORP

INDIANAPOLIS, IN 48224

US

317-240-2650 OR 800-822-4357

Cage: UNICA

### **Ingredients**

COBALT

CAS: 7440-48-4

RTECS: GF8750000

Fraction By Weight: 0-20%

OSHA PEL0.1 MG/M3;AS CO

ACGIH TLV: 0.05 MG/M3;DUST 9293

NICKEL (SOLUBLE)

CAS: 7440-02-0

RTECS: QR5950000

Fraction By Weight: BALANCE

OSHA PEL1 MG/CUM

ACGIH TLV: 0.05 MG/CUM IC (A1)

BORON OXIDE, TRIOXIDE

CAS: 1303-86-2

RTECS: ED7900000

Fraction By Weight: 0-5%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9293

TANTALUM

CAS: 7440-25-7

RTECS: WW5505000

Fraction By Weight: 0-5%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM

CHROMIUM METAL, CHROMIUM, CHROME (SUSPECTED A1 HUMAN

CAS: 7440-47-3

RTECS: GB4200000

Fraction By Weight: 0-20%

OSHA PEL1 MG/CUM (CEILING)

ACGIH TLV: 0.5 MG/CUM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

TUNGSTEN (INSOLUBLE), WOLFRAM

CAS: 7440-33-7

RTECS: YO7175000

Fraction By Weight: 0-15%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM

SILICON

CAS: 7440-21-3

RTECS: VW0400000

Fraction By Weight: 0-5%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

TITANIUM (DRY POWDER) (TI)

CAS: 7440-32-6

RTECS: XR1700000

Fraction By Weight: 0-10%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM

MOLYBDENUM (SOLUBLE COMPOUND), LEAD MOLYBDATE

CAS: 7439-98-7

RTECS: QA4680000

Fraction By Weight: 0-10%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3; 9293

IRON

CAS: 7439-89-6

RTECS: NO4565500

Fraction By Weight: 0-21%

OSHA PEL5 MG/CUM

ACGIH TLV: 5 MG/CUM

ALUMINUM OXIDE, BAUXITE, ALUMINA, DIALUMINUM TRIOXIDE

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight: 0-15%

OSHA PEL15 MG/M3 TDUST

ACGIH TLV: 10 MG/M3 TDUST; 9293

## Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:SKIN: ALLERGIC  
DERMATITIS/REDNESS/PAPULAR FORMATION/ULCER/FEVER. EYE:  
IRRITATION/CONJUNCTIVA REDNESS. INGESTION: NAUSEA/ABDOMINAL  
PAIN/VOMITING/DIARRHEA/CNS DEPRESSION/BURNS. INHALATION: BREATH  
SHORTN ESS/DRY COUGH/CHEST PAIN/VOMITING/DIARRHEA/BURN/CNS  
DEPRESSION/INTERSTITIAL PNEUMONITIS/RESPIRATORY TRACT  
SENSITIZATION.  
Explanation of Carcinogenicity:SEE INGREDIENTS.  
Effects of Overexposure:INHALATION: EMPHYSEMA/PULMONARY FIBROTIC  
DISEASE/SENSITIZATION. SKIN: SENSITIZATION/SPREADING TO THE WHOLE  
BODY W/LESIONS/ITCHING/SORENESS/BURNS/REDNESS. EYES: CORNEAL  
DAMAGE/POLYCYTHEMIA/HYPERPLASIA OF THE THYROID GLAND, & DAMAGE TO  
THE ALPHA CELLS OF THE PANCREAS/SENSITIZATION.  
Medical Cond Aggravated by Exposure:BREATHING OF DUST MAY AGGRAVATE  
ASTHMA & INFLAMMATORY OR FIBROTIC PULMONARY DISEASE. MAY AGGRAVATE  
AN EXISTING DERMATITIS.

## First Aid

First Aid:INGESTION: GIVE 2 GLASSES OF MILK OR WATER. INDUCE VOMITING,  
UNLESS UNCONSCIOUS. SKIN: WASH THOROUGHLY W/SOAP & WATER.  
INHALATION: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NOT  
BREATHING. OX YGEN MAY BE GIVEN IF NECESSARY. EYES: FLUSH W/WATER.  
IF DISCOMFORT PERSISTS, SEE AN OPHTHALMOLOGIST. OBTAIN MEDICAL  
ATTENTION IN ALL CASES.

## Fire Fighting

Extinguishing Media:SPECIAL DRY POWDER METAL EXTINGUISHING MATERIAL  
Fire Fighting Procedures:USE APPROPRIATE EXTINGUISHER TO EXTINGUISH  
COMBUSTIBLE MATERIALS IGNITED BY THERMAL SPRAY FLAME.  
Unusual Fire/Explosion Hazard:AIRBORNE/FINELY DIVIDED  
SOLIDS/ACCUMULATION OF METAL DUST SHOULD BE TREATED AS EXPLOSIVES.

## Accidental Release

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

## Handling

Handling and Storage Precautions:ELECTRICITY CAN CAUSE SHOCK THAT CAN  
KILL. DON'T TOUCH LIVE ELECTRICAL PARTS. NOISE CAN DAMAGE HEARING.  
WEAR PROPER RECOMMENDED PROTECTION.

Other Precautions:PREVENT FIRES. AVOID FUMES, GAS, & DUST, WHICH CAN  
HARM YOUR HEALTH. ALWAYS SPRAY W/ENOUGH VENTILATION.

## Exposure Controls

Respiratory Protection:PERSONAL AIR SAMPLES CAN BE TAKEN & ANALYZED FOR  
HAZARDOUS INGREDIENTS & DECOMPOSITION PRODUCTS TO DETERMINE IF &  
WHAT TYPE OF RESPIRATOR IS REQUIRED.

Ventilation:TO MINIMIZE DANGER FROM DUST EXPLOSIONS, ADEQUATE  
VENTILATION SHOULD BE PROVIDED TO SPRAY BOOTH. LOCAL DUST PICK UP.

Protective Gloves:RECOMMENDED

Eye Protection:GOGGLES WHEN DUSTY, & FACE SHIELDS

Other Protective Equipment:HELMETS

Supplemental Safety and Health

NOTE TO PHYSICIAN: THE HAZARDS OF THIS MATERIAL ARE MAINLY DUE TO ITS  
SENSITIZING & MILDLY IRRITATING PROPERTIES. THERE IS NO SPECIFIC  
ANTIDOTE. TREATMENT OF OVEREXPOSURE SHOULD BE DIRECTED AT THE CON  
TROL OF SYMPTOMS & THE CLINICAL CONDITION.

## Chemical Properties

Solubility in Water:INSOLUBLE

## Stability

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:AREA & SPARKS DURING SPRAYING CAN BE A  
SOURCE OF IGNITION OF COMBUSTIBLE MATERIALS

Hazardous Decomposition Products:OXIDES, SUB-OXIDES, & COMPLEX OXIDES  
OF MATERIALS CONTAINED IN THIS PRODUCT

## Disposal

Waste Disposal Methods:DISPOSE OF WASTE ACCORDING TO LOCAL, STATE, &  
FEDERAL REGULATIONS.

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.