

## **COMBAT BORON NITRIDE COATING TYPE S**

### **MSDS Number**

BKCLL

### **National Stock Number**

8010-00F015045

### **Product Name**

COMBAT BORON NITRIDE COATING TYPE S

### **Manufacturer**

CARBORUNDUM CO ELECTRONIC CERAMICS DIV

### **Product Identification**

Product ID:COMBAT BORON NITRIDE COATING TYPE S

MSDS Date:01/27/1989

FSC:8010

NIIN:00F015045

MSDS Number: BKCLL

### **Responsible Party**

CARBORUNDUM CO/ELECTRONIC CERAMICS DIV.

NIAGARA FALLS , NY 14302

Emergency Phone: (716) 278-2000

Info Phone: (716) 278-2000

Cage: 08370

### **Contractor**

CARBORUNDUM CO/ELECTRONIC CERAMICS DIV.

NIAGARA FALLS, NY 14302

(716) 278-2000

Cage: 08370

### **Ingredients**

CUBIC BORON NITRIDE, BORON POTASSIUM NITRATE

CAS: 10043-11-5

ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS

CAS: 1344-28-1

RTECS: BD1200000

Fraction By Weight: 5-10%

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:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: DUSTS FROM DRIED PRODUCT MAY CAUSE RESPIRATORY TRACT IRRITATION. SKIN: REPEATED OR PROLONGED CONTACT MAY CAUSE REDDENING, ITCHING, INFLAMMATION/IRRITATION. INGESTION: GASTROINTESTINAL DISTURBANCES, IRRITATION, NAUSEA, VOMITING/DIARRHEA. EYES: IRRITATION. ABRASIVE ACTION MAY CAUSE DAMAGE TO THE OUTER SURFACE

Explanation of Carcinogenicity:NONE

Effects of Overexposure:POWDER FROM DRIED PRODUCT CONSIDERED A "NUISANCE" DUST. INHALATION: EXCESSIVE AIRBORNE CONCENTRATIONS OF NUISANCE DUSTS MAY SERIOUSLY REDUCE VISIBILITY, CAUSE UNPLEASANT DEPOSITS IN THE EYES, EARS & NASAL PASSAGES & IRRITATION TO MUCOUS MEMBRANES BY CHEMICAL OR MECHANICAL ACTION.

## First Aid

First Aid:INGESTION: DON'T INDUCE VOMITING. SKIN: WASH AREA THOROUGHLY W/SOAP & WATER. EYE: FLUSH W/LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. INHALATION: REMOVE AFFECTED PERSON FROM SOURCE OF EXPOSURE. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## Fire Fighting

Extinguishing Media:USE EXTINGUISHING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE.

Fire Fighting Procedures:THIS MATERIAL DOESN'T GIVE A FLASH POINT BY CONVENTIONAL TEST METHODS.

## Accidental Release

Spill Release Procedures:NO SPECIAL PROCEDURES ARE REQUIRED FOR CLEAN-UP OF SPILLS OR LEAKS OF THIS MATERIAL.

## Handling

Handling and Storage Precautions:DON'T WEAR CONTACT LENSES. AVOID CREATING DUST, SKIN, EYES, & CLOTHING. KEEP CONTAINER CLOSED. Other Precautions:AVOID DISPOSAL METHODS THAT RESULT IN WATER POLLUTION.

## Exposure Controls

Respiratory Protection:IF TLV ARE EXCEEDED, OR IF IRRITATION IS EXPERIENCED, NIOSH APPROVED RESPIRATORY PROTECTION SHOULD BE WORN. RESPIRATORY PROTECTION MAY BE NEEDED FOR NON-ROUTINE OR EMERGENCY SITUATIONS.

Ventilation:& OTHER FORMS OF ENGINEERING CONTROLS ARE OFTEN THE PREFERRED MEANS FOR CONTROLLING CHEMICAL EXPOSURE.

Protective Gloves:CHEMICAL PROTECTIVE

Eye Protection:FACE SHIELD, SAFETY GLASSES

Other Protective Equipment:APRON, ARMCOVERS

Work Hygienic Practices:AFTER HANDLING, WASH THOROUGHLY W/SOAP & WATER.

Supplemental Safety and Health

## Chemical Properties

Boiling Pt:B.P. Text:225F

Spec Gravity:1.80-2.10

pH:5-6

Solubility in Water:100%

Appearance and Odor:WHITE PASTE ODORLESS

Percent Volatiles by Volume:60-70%

## Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:FLAMMABLE & TOXIC AMMONIA GAS.

## Disposal

Waste Disposal Methods:MATERIAL COULD BE HAZARDOUS IF IT'S CONSIDERED TOXIC, CORROSIVE, IGNITABLE, OR REACTIVE ACCORDING TO FEDERAL DEFINITIONS. THIS SUBSTANCE COULD ALSO BECOME A HAZARDOUS WASTE IF IT IS MIXED WITH OR COMES IN CONTACT W/A HAZARDOUS WASTE.

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