



## Material Safety Data Sheet

### WILCARBO Pack Hardening Compound

#### PRODUCT IDENTIFICATION

Trade Name: WILCARBO  
Chemical Family: mixture  
Formula: mixture/powder  
Molecular Weight: N/A  
CAS #: proprietary

#### HAZARDOUS INGREDIENTS

Potassium Nitrate (Salt Peter) CAS No. 7757-79-1 OSHA PEL: N/A  
ACGIH: N/A Other Limits:  
Chromium Oxide III CAS No. 1308-38-9 OSHA PEL: N/A ACGIH:  
N/A Other Limits:  
Activated Carbon (activated charcoal) CAS No. 7440-44-0 OSHA  
PEL = 5 mg/m<sup>3</sup> as resp.  
HMS Ratings: Health: 0  
HMS Protective Equipment: Glasses, dust mask, boots, gloves

#### PHYSICAL DATA

Boiling Point: N/A  
Melting Point: 32.98  
Specific Gravity: 2.12  
Vapor Density: N/A  
% Volatiles by Weight  
Solubility in water: (based on 100) Cold 45.24 Hot 78.15l  
Appearance and Odor: Dark grey with Slight Odor

#### FIRE AND EXPLOSION HAZARDS DATA

Flash Point (Method Used): none  
Auto ignition Temperature: N/A  
Flammable Limits: N/A Upper: none  
Lower: none  
Extinguishing Media: none  
Special Fire Fighting Procedures: Carbon monoxide may be  
generated in the event of a fire (especially with incomplete  
combustion in an enclosed space). Unusual Fire and Explosion  
Hazards: None

#### HEALTH HAZARD INFORMATION

Routes of Entry: Inhalation: Yes Skin: N/A  
Ingestion: N/A  
Health Hazards:  
The compound is Alkaline & Corrosive. Effects associated with  
alkalis, as well as, respiratory irritation may occur.  
Carcinogenicity: none known  
Signs and Symptoms of Exposure: coughing, throat, eye irritation  
Inhalation: Irritation of nose, throat, and lungs.  
Ingestion: Although low toxicity, ingestion can be harmful-consult a  
physician  
Skin: Prolonged use may cause irritation  
Eye: Prolonged use may cause irritation  
EMERGENCY FIRST AID PROCEDURES:  
INHALATION: remove to fresh air  
INGESTION: Drink large quantity of water to dilute the material. Do  
not induce vomiting, get medical attention  
SKIN: Flush with mild soap and cool water  
EYE: Flush with plenty of water for at least 15 min, get medical  
attention.

#### REACTIVITY DATA

Stability: Stable  
Incompatibility (Material to Avoid): Aqueous Acids  
Hazardous Decomposition Products: Under-use conditions  
volatile products are ammonia, water, and carbon dioxide.  
Hazardous Polymerization: will not occur  
SPILL OR LEAK PROCEDURES  
Steps to Be Taken in Case Material Is Released or Spilled: wash  
with water  
Waste Disposal Method: Bury, dissolve in water and neutralize  
only in accordance with local regulations.  
Hazard Label Information:  
Precautions to Be Taken in Handling and Storage: Keep  
container tight to avoid water absorption that results in caking.

#### SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Approved respirator for  
extremely fine dust.  
Ventilation: Use with adequate ventilation. Local Exhaust:  
Mechanical: X  
Special:  
Other:  
Protective Gloves: Rubber Gloves  
Eye Protection: Goggles  
Other Protective Clothing or Equipment: Boots and apron or long  
sleeves  
Work/Hygienic/Maintenance Practices: practices common to  
good manufacturing techniques



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