



DATE OF ISSUE: April 04, 2009

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1. PRODUCT IDENTIFICATION:

PRODUCT NAME: Snowplow Inserts

PRODUCT CODE: 8431499000

CHEMICAL NAME: CEMENTED CARBIDE

SYNONYMS: NO

FORMULA: W: 89% Co: 11%

2. IDENTITY INFORMATION

CHEMICAL FORMULA: W: 89% Co: 11%

INGREDIENT: W: 89% Co: 11%

PERCENT: $\geq 89\%$

OSHA TWA:

ACGIH STEL:

3. HAZARDOUS INGREDIENTS:

PRIMARY ROUTES OF ENTRY: INHALATION, INGESTION, SKIN OR EYE CONTACT (FOR DUSTS, POWDER AND FUME)

EFFECTS OF OVEREXPOSURE: INDUSTRIALTY TUNGSTEN DOES NOT CONSTITUTE AN IMPORTANT HEALTH HAZARD, EXPOSURE IS RELATED CHIEFLY TO THE DUST ARISING OUT OF THE CRUSHING AND MILLING OPERATIONS. CHRONIC INHALATION OF THE DUST MAY CAUSE LUNG DAMAGE IN HUMANS.

CARCINOGENIC ASSESSMENT: NOT LISTED.

4. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM: METAL PIECES

COLOR: GREY

ODOR: NO ODOR

BOILING POINT: N/A

MELTING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: N/A

SPECIFIC GRAVITY: 14.1-14.7 G/CM3

PERCENT VOLATILES BY VOLUME: N/A

5. FIRE AND EXPLOSION DATA:

FLASH POINT: N/A

EXTINGUISHING MEDIA: CLASS D FIRE EXTINGUISHING AGENTS, DRY POWDER.

SPECIAL PROCEDURES: FOR A POWDER FIRE CONFINED TO A SMALL AREA – USE A RESPIRATOR APPROVED FOR TOXIC DUST AND MISTS. FOR A LARGE FIRE – USE SELF CONTAINED BREATHING APPARATUS.

UNUSUAL HAZARDS: DUSTS MAY PRESENT A FIRE OR EXPLOSION HAZARD UNDER FIRE FAVORING CONDITIONS OF PARTICLE SIZE, DISPERSION, AND STRONG IGNITION SOURCE. HOWEVER, THIS IS NOT EXPECTED TO BE A PROBLEM UNDER NORMAL HANDLING CONDITIONS.

6. HUMAN HEALTH DATA:

ROUTE OF ENTRY – INHALATION: YES

ROUTE OF ENTRY – SKIN: NO

ROUTE OF ENTRY – INGESTION: YES

HEALTH HAZ ACUTE AND CHRONIC: ACUTE: INHAL OF TUNGSTEN MAY OR MAY NOT CAUSE TRANSIENT OR PERMANENT LUNG DAMAGE. TUNGSTEN MAY CAUSE SKIN IRRITATION. HOWEVER, THESE EFFECTS ARE GENERALLY ONLY FOUND WHEN THERE IS CONCURRENT EXPOSURE TO OTHER DUST(S).

7. EMERGENCY AND FIRST AID PROCEDURES:

FIRST AID FOR EYES: IF IRRITATION OCCURS, FLUSH WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

FIRST AID FOR SKIN: WASH WITH SOAP AND WATER. IF IRRITATION OR RASH OCCURS, ISOLATE FROM EXPOSURE. IF RASH PERSISTS, SEEK MEDICAL ATTENTION.

FIRST AID FOR INHALATION: IF LARGE AMOUNTS OF DUST ARE INHALED, MOVE THE EXPOSED PERSON TO FRESH AIR. IF NECESSARY, PERFORM ARTIFICIAL RESPIRATION AND SEEK MEDICAL ATTENTION.

FIRST AID FOR INGESTION: IF INGESTED, GET MEDICAL ATTENTION, GIVE LARGE QUANTITIES OF WATER AND INDUCE VOMITTING. DO NOT MAKE AN UNCONSCIOUS PERSON VOMIT.

8. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS: IF MATL RELEASED/SPILL: AVOID DUST GENERATION. DO NOT CAUSE MATL TO BECOME AIRBORNE. PROVIDE ADEQ VENT. IF TLV IS EXCEEDED, CLEAN-UP PERSON NEED NIOSH/MSHA APPROVED DUST RESP. VACUUM (W/APPROP FILTER TO PVNT AIRBORNE DUST LEV WHICH EXCEED TLV) OR WET CLEAN-UP METH ARE (ING 5).

NEUTRALIZING AGENT: NONE SPECIFIED BY MANUFACTURER.

WASTE DISPOSAL METHOD: DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N).

PRECAUTIONS-HANDLING/STORING: MAINTAIN GOOD HOUSEKEEPING PROCEDURES TO PVNT DUST ACCUM. WASH EXPOS SKIN @ END OF WORK SHIFT. DO NOT SHAKE CLTHG, RAGS/OTHER ITEMS TO REMOVE DUST.

OTHER PRECAUTIONS: DUST SHOULD BE REMOVED BY WASHING/VACUUMING (W/APPROP FILTERS) THE CLTHG, RAGS OR OTHER ITEMS. PERIODIC MED EXAMINATIONS ARE REQ FOR INDIVIDUALS REGULARLY EXPOSED TO DUST. NOTE: REPORTED IN EPA TSCA INVENTORY, 1980.

9. CONTROL MEASURES

RESPIRATORY PROTECTION: NIOSH/MSHA APPROVED DUST RESPIRATOR IS REQUIRED IF TLV IS EXCEEDED.

VENTILATION: GENERAL AND LOCAL VENTILATION IS RECOMMENDED.

PROTECTIVE GLOVES: IMPERVIOUS GLOVES (FP N).

EYE PROTECTION:

OTHER PROTECTIVE EQUIPMENT: NONE UNDER NORMAL CONDITIONS.

WORK HYGIENIC PRACTICES: WASH HANDS THORO AFTER HANDLING, BEFORE EATING OR SMOKING.

SUPPL. SAFETY & HEALTH DATA: EXPLO HAZ: DEPENDING UPON PARTICLE SIZE, DISPERSION & EXPOS TO IGNIT SOURCE. THIS IS NOT EXPECTED UNDER NORM CNDTNS. HEAVY ALLOY SLUG, PARTICULARLY CAN BE IGNITED IN AIR BY FRICTION DURING BLENDING, MILLING, ETC., IF OVERBLENDED, OVERMILLED, ETC. FINE POWDERS MAY IGNITE SPONTANEOUSLY IN AIR.

10. TOXICOLOGICAL INFORMATION

HEAVY ALLOY SLUG ITSELF DOES NOT CONSTITUTE AN IMPORTANT HEALTH HAZARD, EXPOSURE IS RELATED CHIEFLY TO ANY DUST CREATED. HEAVY EXPOSURE TO THE DUST OR THE INGESTION OF LARGE AMOUNTS OF THE SOLUBLE COMPOUNDS PRODUCES CHANGES IN BODY WEIGHT, BEHAVIOR, BLOOD CELLS, CHOLINE ACTIVITY AND SPERM IN EXPERIMENTAL ANIMALS.

11. ECOLOGICAL INFORMATION (NOT AVAILABLE AT THIS TIME.)**12. DISPOSAL CONSIDERATIONS**

THIS MATERIAL MUST BE DISPOSED OF IN ACCORDANCE WITH ANY AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. MATERIAL INTENDED FOR DISPOSAL MAY BE SOLD AS SCRAP FOR RECLAIM.

13. TRANSPORT INFORMATION (NOT APPLICABLE.)**14. REGULATORY INFORMATION (NOT AVAILABLE AT THIS TIME.)**

15. REGULATORY INFORMATION

TSCA STATUS	:Y
TSCA 12(B) EXPORT NOTIFICATION	:Y
CERCLA SECTION 103(40 CFR 302.4)	:Y
SARA SECTION 302(40 CFR 355.30)	:N TPQ
SARA SECTION 304(40 CFR 355.40)	:N RQ
SARA SECTION 313 (40 CFR 372.65)	:Y
CALIFORNIA PROP 65 STATUS	:N
SARA ACUTE HAZARD	:Y
SARA CHRONIC HAZARD	:Y
SARA FIRE HAZARD	:Y
SARA REACTIVITY HAZARD	:N
SARA SUDDEN RELEASE HAZARD	:Y
WHMIS CLASSIFICATION	:N
REGULATORY INFORMATION	:NONE

16. OTHER INFORMATION

OTHER INFORMATION IS NOT CURRENTLY AVAILABLE FOR THIS RECORD

Tang Liang
08/08/09