

STUMP REMOVER

MATERIAL SAFETY DATA SHEET

MANUFACTURER'S NAME & ADDRESS

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1.NOMENCLATURE

PRODUCT NAME: STUMP REMOVER
CHEMICAL NAME: POTASSIUM NITRATE
CHEMICAL FAMILY: INORGANIC SALT

<u>II: HAZARDOUS INGREDIENTS</u>	CAS No.	nominal %	OSHA PEL	ACGIH TLV
Potassium nitrate	7757-79-1	99%	ND	ND

III: PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F): DECOMPOSES. @ 750
MELTING POINT (F) 630
EVAPORATION RATE: N/D
SOLUBILITY IN WATER: 31.6g/100g @68 F
APPEARANCE AND ODOR: WHITE TO buff crystals, no odor.

SPECIFIC GRAVITY 2.11
VAPOR PRESSURE(mmHg.): BELOW 1
VAPOR DENSITY(AIR=1) N/A

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT(METHOD USED): NON-FLAMMABLE
EXTINGUISHING MEDIA: NON-FLAMMABLE
SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED AIR SUPPLY TO PROTECT FROM OXIDES OF NITROGEN.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NOXIOUS FUMES MAY FORM. OXIDES OF NITROGEN. POTASSIUM NITRATE IS AN OXIDIZER AND THEREFORE INCREASES THE INTENSITY OF ANY FIRE AND THE POSSIBILITY OF AN EXPLOSION.

SECTION V: REACTIVITY DATA

STABILITY: STABLE IN NORMAL USE AND STORAGE.
CONDITIONS TO AVOID: FIRE CONDITIONS.
INCOMPATIBILITY: CORROSIVE TO METALS.
DECOMPOSITION BYPRODUCTS: OXIDES OF NITROGEN
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR. NO KNOWN CONDITIONS TO AVOID.

SECTION VI: HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: **INHALATION:** IRRITATING
SKIN: NOT HAZARDOUS
INGESTION: LOW TOXICITY

HEALTH HAZARDS(ACUTE AND CHRONIC): **ORAL INGESTION:** LOW TOXICITY.
INGESTION OF LARGE QUANTITIES MAY CAUSE NITRATE POISONING. LD50 UNKNOWN.
EYE CONTACT: MAY CAUSE MILD IRRITATION AND BURN.
SKIN CONTACT: NORMALLY NOT HAZARDOUS
SKIN ABSORPTION: NOT KNOWN TO BE ABSORBED THROUGH THE SKIN.
INHALATION: DUST MAY BE IRRITATING.
CARCINOGENICITY: NTP: Negative , IARC MONOGRAPHS, Negative, OSHA regulated, Negative
SIGNS & SYMPTOMS OF EXPOSURE: **SMALL AMOUNTS:** WEAKNESS, GENERAL DEPRESSION, HEADACHE, AND MENTAL IMPAIRMENT. **LARGE AMOUNTS:** DIZZINESS, ABDOMINAL CRAMPS, VOMITING, BLOODY DIARRHEA, WEAKNESS, CONVULSIONS, AND COLLAPSE.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN.

(SECTION VI: HEALTH HAZARD DATA CONTINUED)**EMERGENCY AND FIRST AID PROCEDURES:**

ORAL INGESTION; GIVE LARGE QUANTITIES OF WATER AND INDUCE VOMITING, SEEK MEDICAL ATTENTION.

EYE CONTACT; FLUSH IMMEDIATELY WITH CONTINUOUS IRRIGATION FOR AT LEAST 30 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT; PROMPTLY WASH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES, WHILE REMOVING CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE.

INHALATION: REMOVE TO FRESH AIR, IF EFFECTS OCCUR , CONSULT A PHYSICIAN.

VII PRECAUTIONS FOR SAFE HANDLING AND USE;

IF MATERIAL IS RELEASED OR SPILLED; CONTAIN MATERIAL. PICK UP MATERIAL AND STORE IN PLASTIC BAGS AWAY FROM COMBUSTIBLES; DO NOT CONTAMINATE STREAMS OR WATER SUPPLIES.

WASTE DISPOSAL; DISPOSE OF IN A NON CROP AREA, AWAY FROM WATER SUPPLIES, OR IN AN APPROVED LANDFILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT GET ON SKIN, ON CLOTHING, OR IN EYES. AVOID BREATHING PRODUCT DUST. KEEP OUT OF REACH OF CHILDREN. STORE IN A DRY PLACE. DO NOT STORE WITH OXIDIZING MATERIALS. AVOID CONTACT WITH FLAMMABLE MATERIALS.

VIII CONTROL MEASURES:

RESPIRATORY PROTECTION: NONE NORMALLY NEEDED. USE DUST MASK IF CONDITIONS WARRANT.

VENTILATION: RECOMMENDED TO CONTROL DUST. **PROTECTIVE GLOVES;** RECOMMENDED TO AVOID CONTACT. **EYE PROTECTION:** SAFETY GLASSES WITH SIDE SHIELDS. **OTHER PROTECTIVE CLOTHING:** BODY COVERING CLOTHING. DO NOT WEAR CONTAMINATED CLOTHING. **WASH THOROUGHLY AFTER HANDLING.**

TRANSPORTATION: DOT; PACKING SIZES OFFERED ARE SHIPPED AS ORM-D MATERIALS.

FREIGHT CLASSIFICATION; MANUFACTURED FERTILIZERS NMFC 68140 SUB 3

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