

PRODUCT NAME: CLS 26 P
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ISSUED BY: ACTION MINING SERVICES INC

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: CLS 26P
Synonyms: CLS 26P (PLATINUM); CONCENTRATE LEACH SOLUTION 26P
Supplier: Action Mining Services Inc
Address: 37482 Ruben Lane
City: Sandy
State: Oregon
Zip: 97055

Emergency Telephone Number: 800 624-1511
Information Telephone Number: 503 826-9330
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2. COMPOSITION/INFORMATION ON INGREDIENTS

White and brown crystalline or powdered solid. Proprietary formula.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER! STRONG OXIDIZER. HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

POTENTIAL HEALTH EFFECT

INHALATION:

INHALATION OF DUST IRRITATES THE RESPIRATORY TRACT AND MUCOUS MEMBRANES. SYMPTOMS MAY INCLUDE COUGHING, SHORTNESS OF BREATH.

SKIN:

CAUSES IRRITATION, SYMPTOMS INCLUDE REDNESS, ITCHING AND PAIN. POWDER RELEASES HEAT WHEN MOIST.

EYES:

MAY CAUSE EYE IRRITATION, SYMPTOMS INCLUDING REDNESS, ITCHING, AND PAIN

INGESTION:

MAY CAUSE GASTROENTERITIS AND ABDOMINAL PAINS. OTHER SYMPTOMS MAY INCLUDE DIZZINESS, BLOODY DIARRHEA, CONVULSIONS, AND COLLAPSE. PURGING AND DIURESIS CAN BE EXPECTED. SMALL REPEATED DOES MAY CAUSE HEADACHE AND MENTAL IMPAIRMENT. RARE CASES OF NITRATES BEING CONVERTED TO THE MORE TOXIC NITRITES HAVE BEEN REPORTED, MOSTLY WITH INFANTS.

CHRONIC HEALTH EFFECTS AND EXPOSURE:

PROLONGED AND EXCESSIVE INHALATION OF DUST OR INGESTION OF MATERIAL MAY PRODUCE RASHES, CENTRAL NERVOUS SYSTEM DEPRESSION AND EMACIATION. UNDER SOME CIRCUMSTANCES METHEMOGLOBINEMIA OCCURS IN INDIVIDUALS WHEN THE NITRATE IS CONVERTED BY BACTERIA IN THE STOMACH TO NITRITE. NAUSEA, VOMITING, DIZZINESS, RAPID HEART BEAT, IRREGULAR BREATHING, CONVULSIONS, COMA AND DEATH CAN OCCUR SHOULD THIS CONVERSION TAKE PLACE.

AGGRAVATION OF PRE-EXISTING CONDITIONS:

WORKERS WITH A HISTORY OF KIDNEY OR LUNG DISEASE MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

4. FIRST AID MEASURES:

INHALATION:

REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.

SKIN:

REMOVE ANY CONTAMINATED CLOTHING. WIPE OFF EXCESS FROM SKIN. WASH SKIN WITH LARGE VOLUMES OF SOAP AND WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS OR PERSISTS.

EYES:

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:

IF CONSCIOUS, GIVE PERSON 1 TO 2 GLASSES OF WATER AND INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

5. FIRE FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION: NON-FLAMMABLE SOLID

FIRE:

NOT COMBUSTIBLE, BUT IS A STRONG OXIDIZER AND ITS HEAT OF REACTION WITH REDUCING AGENTS OR COMBUSTIBLES MAY CAUSE IGNITION. TOXIC AND IRRITATING FUMES MAY BE EMITTED.

FIRE FIGHTING INSTRUCTIONS:

WEAR A SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT SKIN AND EYE CONTACT IN FIRE SITUATIONS OR POTENTIAL EXPLOSION CONDITIONS.

FIRE EXTINGUISHING MEDIA:

USE ANY MEANS SUITABLE FOR EXTINGUISHING SURROUNDING FIRE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

SPECIAL INFORMATION:

THIS OXIDIZING MATERIAL CAN INCREASE THE FLAMMABILITY OF ADJACENT COMBUSTIBLE MATERIALS.

6. ACCIDENTAL RELEASE MEASURES

REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA OF LEAK OR SPILL. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. SEE SECTION VIII. CAREFULLY SWEEP UP MATERIAL AND PLACE IN SUITABLE LABELED CONTAINERS FOR DISPOSAL.

7. HANDLING AND STORAGE

KEEP IN A TIGHTLY CLOSED CONTAINER, STORED IN A COOL, DRY, VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. PROTECT AGAINST PHYSICAL DAMAGE AND MOISTURE.
AVOID EYE, SKIN AND CLOTHING CONTACT.
DO NOT TASTE OR SWALLOW.
AVOID BREATHING DUST.
USE ONLY IN A WELL VENTILATED AREA.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

USE MECHANICAL VENTILATION FOR GENERAL AREA CONTROL. REFER TO OSHA 29 CFR 1910.94 FOR VENTILATION GUIDELINES. USE LOCAL EXHAUST TO MINIMIZE DUSTING.

PERSONAL PROTECTIVE EQUIPMENT:

CHEMICAL SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL SAFETY GOGGLES. RUBBER GLOVES. CLOTHING DESIGNED TO MINIMIZE SKIN CONTACT.

MAINTAIN EYE WASH FOUNTAIN OR QUICK-DRENCH FACILITIES IN WORK AREA.

WEAR A NIOSH/MSHA (N95 OR BETTER FILTERS) APPROVED DUST RESPIRATOR IF THERE IS A POTENTIAL FOR AIRBORNE EXPOSURES TO EXCEED ESTABLISHED THRESHOLD VALUES.

WASH THOROUGHLY AFTER HANDLING.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: WHITE AND BROWN CRYSTALLINE OR POWDERED SOLID.
BOILING POINT: 716°F (380°C)
BULK DENSITY: NOT AVAILABLE
VAPOR DENSITY: NOT AVAILABLE
MELTING POINT: 586°F (308°C)
ODOR: SLIGHT ODOR OF HYDROCHLORIC ACID
PH: AQUEOUS SOLUTION IS NEUTRAL
SOLUBILITY: SOLUBLE IN WATER

10. STABILITY AND REACTIVITY

STABILITY: STABLE UNDER NORMAL CONDITIONS OF HANDLING AND USE.

HAZARDOUS DECOMPOSITION PRODUCTS:

REACTS WITH ACIDS TO EMIT TOXIC FUMES OF NITROGEN DIOXIDE AND CHLORIDE.
THERMAL DECOMPOSITION MAY PRODUCE THE FOLLOWING:

HYDROGEN BROMIDE AND/OR BROMINE
HYDROGEN CHLORIDE AND/OR CHLORINE
CARBON MONOXIDE AND CARBON DIOXIDE
NITROUS OXIDES

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

INCOMPATIBILITIES:

METALS, STRONG OXIDIZERS, STRONG ACIDS

CONDITIONS TO AVOID:

INCOMPATIBLES, HEAT, FLAME, IGNITION SOURCES, SHOCK, FRICTION

11. TOXICOLOGICAL INFORMATION

NOT KNOWN AS A CARCINOGENIC. TOXICOLOGICAL PROPERTIES OF THIS MATERIAL HAVE NOT BEEN FULLY DETERMINED.

MAY CAUSE EYE IRRITATION. PROLONGED AND EXCESSIVE INHALATION OF DUST OR INGESTION OF MATERIAL MAY PRODUCE RASHES, CENTRAL NERVOUS SYSTEM DEPRESSION AND EMACIATION.

12. ECOLOGICAL INFORMATION

AVOID RELEASING TO THE ENVIRONMENT WITHOUT NEUTRALIZING TO PH 7

13. DISPOSAL CONSIDERATIONS

WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLING SHOULD BE MANAGED IN AN APPROPRIATE MANNER.

14. TRANSPORT INFORMATION

LIMITED QUANTITIES SHIP AS ORM-D BY GROUND SHIPMENT ONLY.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: THE COMPONENTS OF THIS PRODUCT ARE EITHER ON THE TSCA INVENTORY OR EXEMPT FROM THE INVENTORY.

16. OTHER INFORMATION

NFPA RATINGS:

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 1

FOR ADDITIONAL INFORMATION

CONTACT: MSDS COORDINATOR, ACTION MINING SERVICES INC DURING BUSINESS HOURS, PACIFIC TIME (503) 826-9330

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