

MATERIAL SAFETY DATA SHEET

DROPDOWN

1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Name: Mineral

Use: Adjuvant

Supplier: NUTRIPROVE S.A

Av. Linares 0410, La granja.

+56-2- 52597161; +56-9-72138690

HMS Rating: HEALTH=2 FIRE=0 REACTIVITY=0 SPECIAL=0

2. COMPOSITION / INFORMATION ON INGREDIENTS

Minerals:

95 % hydrous kaolin (aluminum silicate)

3. HAZARDS IDENTIFICATION

INHALATION: May cause irritation to the respiratory tract. Prolonged or repeated exposure may cause lung damage.

INGESTION: Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea. May cause muscle tremor and impaired motor function. May cause gastric disturbances and electrolytic imbalance. May cause systemic toxic effects on the heart, liver, and kidneys. May be harmful if swallowed.

SKIN CONTACT: May cause skin irritation

EYE CONTACT: May cause irritation and inflammation.

No carcinogenic, mutagenic, or teratogenic effects are known

4. FIRST AID MEASURES

INHALATION: Move person to fresh air. Aid in breathing if necessary. Get medical attention immediately.

INGESTION: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

NOTES TO PHYSICIAN: Follow with gastric lavage with activated charcoal. Treat symptomatically and supportively.

SKIN CONTACT: Immediately flush with plenty of water. If irritation persists, get medical attention.

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

LFL: Not applicable

UFL: Not applicable

AUOTIGNITION TEMPERATURE: Not applicable

RECOMMENDED EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam, water spray.

SPECIAL FIRE FIGHTING MEASURES: Use water spray, dry chemical, foam, or carbon dioxide. Water spray may be used to flush spills away from fire and to dilute spills to non-flammable mixtures.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, carbon monoxide, sulphur oxides.

6. ACCIDENTAL RELEASE MEASURES

- a.-Clean up by wet sweeping, vacuuming or flushing with water.
- b.-Containerize for disposal or reclamation.

7. HANDLING AND STORAGE

- a.-Store in a cool dry place
- b.-Material may be slippery when wet.
- c.-Minimise dust generation.
- d.-Avoid contact with eyes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:

OSHA Permissible Exposure Limit (PEL): 15mg/m³ (TWA) total particulate
5mg/m³ (TWA) respirable fraction.

ACGIH Threshold Limit Value (TLV) : 2mg/m³ (TWA) for respirable dust

NIOSH Recommended Exposure Limits (REL): 10mg/m³ (TWA) total particulate.
5mg/m³ (TWA) respirable fraction.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses with side shields.

GLOVES: Wear suitable gloves.

RESPIRATORY: NIOSH approved dust respirator.

FOOTWEAR: Non-slip soles if used in wet areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: White powder

ODOR AND APPEARANCE: Odorless white to off-white powder

SOLUBILITY IN WATER: Not soluble in water

SOLUBILITY IN OTHER LIQUIDS: Not soluble in mineral acids and organic solvents

SPECIFIC GRAVITY: 2,6

CHEMICAL FAMILY: Natural clay mineral

10. STABILITY AND REACTIVITY

STABILITY DATA: Normally stable.

INCOMPATIBILITY: Strong bases, acids, and oxidizing agents.

CONDITIONS TO AVOID: Avoid generating dust.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, and possibly sulphur compounds.

11. TOXICOLOGICAL INFORMATION

PRIMARY ROUTE OF ENTRY: Eye contact and Inhalation

EFFECTS OF ACUTE EXPOSURE: None

EFFECTS OF CHRONIC EXPOSURE: Nuisance dust may cause respiratory problems

EXPOSURE LIMIT OF MATERIAL: Nuisance dust TLV-TWA 15mg/m³ total dust

MAXIMUM CONCENTRATION OF DUST IN AIR: 5 mg/m³; 8 hour time-weighted average.

12. ECOLOGICAL INFORMATION

No adverse ecological effects are expected.

May affect turbidity of water if discharged in large quantities to lakes or streams.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved. Waste disposal facility in accordance with local regulations regarding solid waste.

14. TRANSPORT INFORMATION

Not applicable

15. REGULATORY INFORMATION:

TSCA INVENTORY STATUS

This product and all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

SARA 311/312 Hazard Categories: Chronic health hazard

CANADA: This product or its ingredients are listed on or compliant with the DSL

EUROPE: Not Determined

AUSTRALIA: This product or its ingredients are listed on or compliant with the AICS

PHILIPINES: This product or its ingredients are listed on or compliant with the PICCS

IMPORTANT NOTE:

All information, recommendations, and suggestions appearing herein concerning DROPDOWN are based upon data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability from own use of the product described herein. Since the actual use is beyond our control, no guarantee, express or implied by Minera Tracmin Ltda. As to the effects of such use, the results obtained respect to the safety and toxicity of the product, Nutriprove S.A; does not assume any liability arising from use by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulation.