

Technical Information Sheet

REV. 0 Issued: February 5, 2015

1. Chemical Product And Company Information

Chemical Name : Brine Mud (Calcium Carbonate / Magnesium Hydroxide)
Synonyms/Trade Names : Brine Mud
Chemical Family : n/a
Formula : mixture of CaCO₃ and MgOH
Molecular Weight : n/a
CAS No.: n/a
Uses: none, byproduct from brine purification

Manufacturer & Supplier:

ERCO Worldwide, a division of Superior Plus LP
302 The East Mall, Suite 200
Toronto, Ontario Canada M9B 6C7

(416) 239-7111

Transportation Emergency Telephone Numbers :

CANADA: (613) 996-6666
CANUTEC

USA: 1-800-424-9300
CHEMTREC

Canadian WHMIS Classification (s):

C - Oxidizing 	D2B - Other Toxic Effects 
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2. Composition / Information On Ingredients

Name:	Conc. % By Weight	CAS No.
Calcium Carbonate	20 - 60	471-34-1
Sodium Chlorate	< 1	7775-09-9
Sodium Chromate	< 1	7775-11-3
Magnesium Hydroxide	4 - 12	1309-42-8

3. Hazard Identification

Emergency Overview :

Routes of Entry :

Symptoms of Exposure :

4. First Aid Measures

Skin:

Flush thoroughly with water for a minimum of 20 minutes.

Eyes:

Flush thoroughly with water for a minimum of 20 minutes.

Inhalation :

Ingestion:

Seek emergency medical attention immediately .

5. Fire-Fighting Measures

Conditions Of Flammability :

Not combustible

Means To Extinguish :

Appropriate for the surrounding fire

Hazardous Combustion Products :

Not combustible.

Flash Point & Method: Not combustible.

Upper Flammability Limit : Not combustible.

Lower Flammability Limit : Not combustible.

Auto-Ignition Temperature : Not combustible.

Mechanical Impact Sensitivity : Not available.

Static Discharge Sensitivity : Not available.

6. Accidental Release Measures

Leak Or Spill Procedures :

Contain and collect spilled material into clean, dry, covered metal containers, then flush down spill area with water. Keep spills and residues out of sewers and the external environment.

Waste Control Procedures :

Material is shipped to hazardous treatment facility for stabilization of leachable chromium and landfill disposal.

7. Handling Storage

Handling Procedures And Equipment :

No smoking, flames or sparks are allowed where waste is stored or used.

Storage:

Store in a cool, dry, fireproof area. Keep away from combustible or readily oxidizable materials and acids.

8. Exposures Controls / Personal Protection

Protective Equipment :

Wear rubber gloves, rubber boots, hard hat, dust mask and safety glasses or goggles when handling. If clothing becomes contaminated remove and wash immediately.

Engineering Controls :

9. Physical And Chemical Properties

State: Wet solid (mud)

Odour: none

Odour Threshold : n/a

Boiling Point : n/a

Melting Point : >800

Freezing Point : Water (moisture) contained in the mud can freeze below 0°C

pH: >9

Coefficient Of Water /Oil Distribution : n/a

Appearance: light grey to beige mud

Specific Gravity : n/a

Vapour Pressure : n/a

Vapour Density : n/a

Evaporation Rate : n/a

Solubility In Water : not soluble

Bulk Density : not available

10. Stability And Reactivity

Chemical Stability :

Stable.

Reactivity Conditions :

Reaction with acids will occur on contact.

Incompatible Substances :

Reaction with acid releases carbon dioxide [CO₂], and may release small quantities of chlorine [Cl₂] and chlorine dioxide [ClO₂]. Avoid contact with organic materials, petroleum products, phosphorous, sulfur and powdered metals.

Hazardous Decomposition Products :

May release small quantities of chlorine.

11. Toxicological Information

Skin Contact: Can cause irritation
Skin Absorption: unknown
Eye Contact: Can cause irritation
Inhalation: Dust can cause irritation
Ingestion: unknown
LD₅₀: unknown
LC₅₀: unknown
Exposure Limits: not established
Irritancy: Can cause irritation
Sensitization: unknown
Carcinogenicity: unknown
Teratogenicity & Mutagenicity: unknown
Reproductive Toxicology: unknown
Toxicological Synergism: unknown

12. Ecological Information

Ecological Information :

Main components are benign (Calcium Carbonate, magnesium hydroxide). However some known impurities contained in the mud, particularly chromium(VI) compounds are toxic.

Biodegradability :

Not biodegradable

Aquatic Toxicity :

Chromium(VI) compounds and chlorate, which can leach out of the mud, are toxic to aquatic organisms.

13. Disposal Considerations

Disposal Considerations :

Material is shipped to hazardous treatment facility for stabilization of leachable chromium and landfill disposal.

14. Transportation Information

Shipping Name (TDGR)	UN Number	Hazard Class	Packing Group
Brine Mud	n/a		

15. Regulatory Information

Safety:

Environmental :

Transportation :

16. Other Information

Summary of Changes Made in this Revision :

This is a new TIS.

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