




**SAFETY DATA SHEET
FORMULA 35**

1. Identification

Product Name Formula 35
Synonyms CaCl₂, Calcium Chloride
Uses Cement additive, Dust control of coal mines, roads, drilling sites, Anti-icing/De-icing, Freeze-proofing and thawing coal, coke, stone, sand, ore, Concrete conditioner, tire weighing
Supplier Details Tiger Calcium Services
603 15 Ave Nisku, AB
T9E 7M6
Emergency Phone Number 613-996-6666 (24 hr), Canutec

2. Hazard Identification

Physical State Liquid
Colour Clear to light straw
Odour None
Hazard Classification Serious Eye Damage, category 1
Label Elements:
Symbol 

Signal Word Danger
Hazard Statement(s) Causes serious eye damage/eye irritation
Precautionary Statement(s) Wear eye protection/face protection
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
Immediately call a doctor
Other Hazards None Known

3. Composition/Ingredient Information

Name	CAS Number	%
Calcium Chloride	10043-52-4	33-37
Magnesium Chloride	007791-18-6	4.5-5.1
Other Chlorides		2.6-3.1

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First Aid Measures

Eye Contact Remove contact lenses if present, rinse eyes thoroughly with wash solution or clean water for at least 10 minutes. Seek medical attention.
Skin Contact Remove contaminated clothing. Wash of any skin contamination. Launder clothing before re-use.
Ingestion DO NOT induce vomiting. Wash out moth with water and give plenty of water to drink.
Inhalation If symptoms are experienced, remove source of contamination or move victim to fresh air and obtain medical advice.



Most important symptoms and effects: Could cause serious eye damage. If the eye is not washed thoroughly, there is a risk of irreversible eye damage.

5. Fire-Fighting Measures

NOT FLAMMABLE

Extinguishing media Use an extinguishing agent suitable for the surrounding fire.
Unsuitable Extinguishing media None identified
Special Exposure Hazards No special hazards
Hazardous Thermal None
Special Protective Equipment for Fire Fighters None

6. Accidental Release Measures

Personal Precautions Wear eye/face protection
Environmental Precautions Prevent uncontrolled discharge into the environment (waterbodies, sewers)
Methods for Spill Clean Up Embank with sand or other inert material and collect the material.
Clean up spills as soon as they occur.
Do not wash with in a sensitive environment.

7. Handling and Storage

Handling Use in a well-ventilated area.
Avoid contact with eyes and skin.
Caution: likely to cause frostbite if contact with skin occurs at cold temperatures
Wash contaminated skin or clothing immediately after contact.
Wash hands after finishing working with the product.

Storage Store in a cool, dry, well ventilated area.
Inspect periodically for damage or leaks.
Do not store with acids and/or strong oxidizing and reducing agents.

8. Exposure Controls/Personal Protection

Time-Weighted Average Engineering Measures Not established. Workplace exposure not regulated
Hygiene Measures No special requirements
Personal Protection A washing facility for eye and skin cleaning purposes should be present.

Respiratory Not required
Hands Wear gloves if hand contamination is likely.
Suitable glove materials are neoprene and nitrile rubber. Non suitable are leather gloves
Contaminated gloves should be carefully rinsed with water before re-use.

Eyes Use suitable eye protection if eye contact is likely.
Most materials for protective goggles and face visors will probably be suitable.
Wash off any contamination immediately.

Skin Normal working clothes are suitable. Cover legs and arms.



9. Physical and Chemical Properties

Physical State	Liquid
Odour	None
pH	4.27
Freezing Point	>-45C
Boiling Point	122C
Flash Point	Not determined
Evaporation Rate	Not determined
Flammability	Not applicable
Vapour Density	Same as water
Specific Gravity	1.36 at 15.6C
Solubility	Completely miscible
Viscosity	Not determined

10. Stability and Reactivity

Reactivity	Can react with strong reducing or oxidizing agents
Chemical Stability	Stable under recommended storage and handling conditions
Conditions to Avoid	Strong reducing and oxidizing agents
Incompatible	Can cause pitting and corrosion of some grades of stainless steel. High temperature and stress conditions can promote corrosion cracking
Hazardous Decomposition Products	None when used according to identified uses, does not decompose
Possibility of Hazardous Reactions	Can react violently with some strong reducing or oxidizing agents

11. Toxicological information

LD₅₀ (oral)	1000mg/kg
LD₅₀ (dermal)	5000mg/kg
LC₅₀	160mg/m³
Skin Corrosion/Irritation	Not irritating to skin
Eye Damage/Irritation	May cause serious eye damage
Respiratory/Skin Sensitization	Not sensitizing
Mutagenicity	Not mutagenic
Carcinogenicity	Not carcinogenic
Reproductive Toxicity	Not reproductively toxic
Specific Target Organ Toxicity	None
Aspiration Hazard	Not acutely toxic by inhalation

12. Ecological Information

13. Disposal Considerations

14. Transportation Information

15. Regulatory Information

16. Other Information

Prepared On: October 2, 2017