
Material Safety Data Sheet

ZD-FR

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: ZD-FR
Chemical Name: Filtration Reducer
Application: Fluid Loss Reducer

HMIS Rating (0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Severe)
Health: 1 Flammability: 0 Physical Hazard: 0 Personal Protection: E
UN Number: N/A Hazard Class: Not regulated
Hazard Label: N/A Transportation Note: N/A

Manufacturer:
Address:

Emergency TEL:
Emergency FAX:

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification (EC 1272/2008)
Physical and chemical hazards: Not classified
Human health: Not classified
Environment: Not classified
Classification (67/548/EEC) Not classified

Label elements

Label in accordance with (EC) No. 1272/2008
Not classified.

Other hazards

Not Classified as PBT/vPvB by current EU criteria.

HAZARDS ASSOCIATED WITH PRODUCT USE

Blood Toxin	Corrosive Material	Compressed Gas
Kidney Toxin	Explosive Material	Combustible Liquid
Liver Toxin	Flammable Material	Eye Hazard
Lung Toxin	Unstable Material	Skin hazard
Carcinogen	Pyrophoric Material	Nervous System Toxin
Irritant	Toxic Agent	Reproductive Toxin
Oxidizer	Nuisance Particulate ×	Organic Peroxide
Sensitizer	Highly Toxic Agent	Water Reactive Material

Community Right-to-know (SARA Title III Section 311-312)

Fire: Sudden Release of Pressure:
REACTIVITY: Immediate (Acute): × Delayed (Chronic):

3. COMPOSITION/INFORMATION ON INGREDIENTS

Major Composition: Copolymer.

Cas No.: N/A.

Appearance: White or light yellow powder.

Composition Comments: The data shown is in accordance with the latest EC Directives.

Contains no hazardous ingredients according to GHS.

4. FIRST AID MEASURES

Eyes:

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Ingestion:

Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Get medical attention if any discomfort continues.

Inhalation:

Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

Skin:

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

5. FIREFIGHTING MEASURES

Flash Point (°C): N/A

Auto Ignition Temperature (°C): N/A

Explosive Limit:

Lower: N/A

Upper: N/A

Extinguishing Media:

CO₂: ×

Dry Chemical: ×

Foam: ×

Fog: ×

Water: ×

Hazardous combustion products:

When heated, vapours/gases hazardous to health may be formed.

Fire fighting procedures:

Water spray, foam, dry powder or carbon dioxide. Containers close to fire should be removed immediately or cooled with water.

Unusual fire and explosion hazards:

Product may form explosive dust-air mixture when very high dust concentration is presented near an ignition source. Surfaces covered with wet product will become extremely slippery upon mixing with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear protective clothing as described in Section 8 of this Material Safety Data Sheet.

Environmental precautions:

Do not allow to enter drains, sewers or watercourses.

Spill clean up methods:

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. In case of spills, beware of slippery floors and surfaces.

7. HANDLING AND STORAGE

Usage precautions:

Avoid inhalation of dust and contact with skin and eyes.

Storage precautions:

Store in tightly closed original container in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Ingredient comments:

NUI = Nuisance dust, WEL TWA 4mg/m³ Respirable Dust, 10 mg/m³ Total Dust.

Exposure controls:

Protective equipment:



Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

Respiratory protection must be used if air contamination exceeds acceptable level. Dust filter P2 (for fine dust).

Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Nitrile or Neoprene.

Eye protection

Wear dust resistant safety goggles where there is danger of eye contact.

Other protection

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White or light yellow powder

Odor: Odorless

Boiling Point (°C): N/A

Freezing Point (°C): N/A

Melting Point (°C): N/A

pH Value: 7-9

Odor Threshold: N/A

Coefficient of W/O Distribution: N/A

Evaporation Rate (Acetate =1): N/A

Specific Gravity (Water =1): N/A

Solubility in Water: Soluble

Vapor Density: N/A

Vapor Pressure (Pa): N/A

Percent Volatile by Volume: N/A

Other information: Not relevant

10. STABILITY AND REACTIVITY

Chemically stable: Yes: × No: If No, Under which conditions? None reported.

Material to avoid: Strong oxidizing agents.

Hazardous decomposition products: When heated, vapours/gases hazardous to health may be formed.

Hazardous polymerization:

May occur: Will not occur: × Conditions to avoid: N/A

11. TOXICOLOGICAL INFORMATION

Stability: Stable

Hazardous polymerization: None

Prohibit material: None

Combustion decomposition products: None

Further information: The product contains no substances classified as hazardous to health on concentrations which should be taken into account.

12.ECOLOGICAL INFORMAITON

Environmental information: None

Pollution information: None

13.DISPOSAL CONSIDERATIONS

Disposal methods:

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

14.TRANSPORT INFORMAITON

General: The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN number

Not applicable.

UN proper shipping name

Not applicable.

Transport hazard class(es)

Not applicable.

Packing group Not applicable.

Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

15.REGULATORY INFORMAITON

Related regulations: Chemical Safety Management of Dangerous Goods Ordinance (February 17, 1987 the State Council), the chemical Dangerous Goods Safety Management Regulations implementing rules (of labor [1992] No. 677), the provisions of the workplace safe use of chemicals ([1996] Ministry of Labor No. 423) and other regulations for the safe use of hazardous chemicals, production, storage, transport, handling, etc. are made corresponding provisions.

16.OTHER INFORMAITON

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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