



FURST-MCNESS COMPANY

FURST-MCNESS COMPANY

Safety Data Sheet FURST PROTECT DIRECT

SECTION 1: Identification

1.1 Product identifier

Product name	FURST PROTECT DIRECT
Product numbers	FMC440, FMC 441, FMC442 & FMC444
Brand	FURST PROTECT DIRECT

1.3 Recommended use of the chemical and restrictions on use

Always read the label. Use only as directed.

1.4 Supplier's details

Name	Furst-McNess Company
Address	120 E. Clark Street Freeport, IL 61032 U.S.A.
Telephone	(800) 435-5100
Fax	(815) 232-9717

1.5 Emergency phone number(s)

(800) 222-2222 Poison Control

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

2.2 GHS label elements, including precautionary statements

Hazard statement(s)

H232 Comb. Dust May form combustible dust concentrations in air

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P264 Wash ... thoroughly after handling.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identity and/or exact percentages of components in this mixture have been withheld as a trade secret in accordance with Title 29 of the U.S. Code of Federal Regulations 1910.1200.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash exposed area with soap and water. If irritation develops and persists, seek medical attention.
In case of eye contact	Rinse thoroughly with plenty of water for 15 minutes. If irritation develops and persists, seek medical attention.
If swallowed	If large amounts were swallowed, give water to drink and get medical advice.

4.2 Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Provide general supportive measures and treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂). Apply extinguishing media carefully to avoid creating airborne dust.

5.2 Specific hazards arising from the chemical

Dust may form explosive mixture with air. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.3 Special protective actions for fire-fighters

Wear self contained breathing apparatus and full protective clothing for fire fighting if necessary.

Further information

Isolate materials not yet involved in the fire and protect personnel.

Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use only non-sparking tools. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are

Safety Data Sheet

FURST PROTECT

released into the atmosphere in sufficient concentration. Wear appropriate personal protective equipment. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

6.2 Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

6.3 Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use with adequate ventilation. Eliminate all sources of ignition. Minimize dust generation and accumulation. Combustible dust clouds may be created where operations produce fine material (dust). Avoid significant deposits of material, especially on horizontal surfaces, which may become airborne and form combustible dust clouds and may contribute to secondary explosions. Handling and processing operations should be conducted in accordance with 'best practices' (e.g. NFPA-654). Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid direct contact with eyes.

7.2 Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Safety Data Sheet

FURST PROTECT

Wear gloves and adequate body-covering protective clothing.

Body protection

Wear gloves, glasses and adequate body-covering protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Environmental exposure controls

Avoid dust accumulation and control ignition sources. Where appropriate, employ grounding, venting, and explosion relief provisions in accordance with accepted engineering practices in processes (capable of generating dust and/or static electricity). Avoid accumulation of dust on surfaces to prevent secondary dust explosions.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Light yellow in appearance
Odor	Spicy, natural extract
Odor threshold	Not Available
pH	5.5
Melting point/freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash point	Not Available
Evaporation rate	Not Available
Flammability (solid, gas)	Not Available
Upper/lower flammability limits	Not Available
Upper/lower explosive limits	Not Determined
Vapor pressure	Not Available
Vapor density	Not Available
Relative density	Not Available
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	Not Available
Explosive properties	Not Available
Oxidizing properties	Not Available

SECTION 10: Stability and reactivity

10.1 Reactivity

This product is not reactive.

10.2 Chemical stability

Stable under conditions of normal storage and use.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal use conditions.

10.4 Conditions to avoid

Keep away from heat, sparks and open flame. Minimize dust generation and accumulation. Contact with incompatible materials. Humidity.

Safety Data Sheet

FURST PROTECT

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not available.

Skin corrosion/irritation

May cause irritation.

Serious eye damage/irritation

May cause irritation.

Respiratory or skin sensitization

No adverse effects due to inhalation are expected.

Germ cell mutagenicity

Not relevant.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

Not regarded as dangerous for the environment.

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential

No data is available for this product.

Mobility in soil

No data available.

Other adverse effects

Safety Data Sheet

FURST PROTECT

No other adverse environmental effects.

SECTION 13: Disposal considerations

Disposal of the product

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations

Disposal of contaminated packaging

See previous.

Waste treatment

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

US federal regulations

This product is hazardous according to OSHA 29 CFR 1910.1200 due to the potential for dust explosion.

15.2 Chemical Safety Assessment

Not applicable. No chemical safety assessment has been carried out.

Additional Regulatory Information:

All electrical equipment must be suitable for use in hazardous atmospheres involving combustible dust, in accordance with 29 CFR 1910.307. The National Electrical Code, NFPA 70, contains guidelines for determining the type and design of equipment and installation, which will meet this requirement.

Combustible Dust is a "Hazard, other than chemical" as defined by the OSHA Hazard Communications Standard, 29 CFR 1910.1200 Section (B)(5)(III) of the HCS (CFR 1910.1200) exempts food, including feed and therefore any associated feed dust, from the labeling requirements of the HCS since the food/feed is subject to the requirements of the Food & Drug Administration.

HMIS Rating

FURST PROTECT	
HEALTH	* 0
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

Safety Data Sheet

FURST PROTECT

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall FURST-McNESS Co. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if FURST-McNESS Co. has been advised of the possibility of such damages.