FURST-MCNESS COMPANY

Safety Data Sheet
FURST STRIKE

SECTION 1: Identification

1.1 Product identifier

Product name	FURST STRIKE
Product number	645927 & 145926
Brand	FURST STRIKE

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	1252 Bell Valley Rd, Suite 220 Rockford, IL 61108 U.S.A.
Telephone	(800) 435-5100

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

Pictogram

Hazard statement(s)

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H331	Toxic if inhaled

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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/...

2.3 Other hazards which do not result in classification

Risk for serious damage to eyes.
Wear eye/face protection.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

1. New component

Concentration	Not specified

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

General advice	Remove contaminated clothing.
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 with eyelids held open, consult an eye specialist.
If swallowed	If large amounts were swallowed, give water to drink and get medical advice.

4.2 Most important symptoms/effects, acute and delayed

Eye contamination - seek medical advice.

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

Provide general supportive measures (decontamination, vital functions) and treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Carbon dioxide, dry extinguishing media, foam, water

5.2 Specific hazards arising from the chemical
Dust may form explosive mixed with air. Avoid generating dust; fine dust dispersed in air in sufficient concentrations.

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus and full protective clothing for firefighting 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.

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 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.

Specific end use(s)
Recommendations: Keep out of reach of children.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Formic Acid (CAS: 64-18-6)
TWA: 9 mg/m3

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
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 to white in appearance and meal form
Odor	Aromatic
Odor threshold	Light Formic Acid odor
pH	Not Available
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)	Soluble in water
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	> 80 degrees C
Viscosity	Not Available
Explosive properties	Not Available
Oxidizing properties	Not Available

SECTION 10: Stability and reactivity

10.1 Reactivity
Strong oxidizing agents.

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. Strong oxidizing agents.

10.5 Incompatible materials
Strong oxidizing agents.

10.6 Hazardous decomposition products
No dangerous reactions known under normal use conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Oral
Value: > 2000 mg/kg
Species: Rat/mal/female Rat/mal/female
Comments: (Guideline 92/69/EEC, B.1) (OECD Guideline 403) Dust may irritate respiratory tract and lungs.

Type of toxicity: Acute
Effect tested: LD50
Route of exposure: Dermal
Duration: 4 h
Value: > 5,16 mg/l
Species: Rat/male/female Rat
Comments: (OECD Guideline 403) Metode: literature

Type of toxicity: Acute
Effect tested: LC50
Route of exposure: Inhalation.
Value:

Comments: Dust may irritate respiratory tract and lungs. OECD Guideline 401
Metode: literature

Skin corrosion/irritation
Nothing irritating to the skin.

Serious eye damage/irritation
Risk of serious damage to eyes.

Respiratory or skin sensitization
Dust may irritate respiratory tract and lungs.

Germ cell mutagenicity
Not relevant.

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

Reproductive toxicity
The results of animal studies gave no indication of a fertility impairing effect.
The product has not been tested. The statement has been derived from products of a similar structure and composition.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

Aspiration hazard
No data available.

SECTION 12: Ecological information

Toxicity
Assessment of aquatic toxicity:
There is a high probability that the product is not acutely harmful to aquatic organisms.

Persistence and degradability
Biological oxygen demand (BOD)
Value: > 90 %
Method: OECD 301D; 92/69 EEC, C.4-E (aerobic), aktivert slam
Test duration: 28 day(s)

Bioaccumulative potential
The product does not bioaccumulate.
Readily biodegradable.

Mobility in soil
Dissolves readily in water.

Other adverse effects
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

No chemical safety assessment has been carried out.

The supplier has not carried out a chemical safety assessment for the mixture but a chemical safety assessment for the substances in the mixtures has been carried out.

HMIS Rating

FEEDARMOR	
HEALTH	* 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

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.