FBSCIENCES INC

Safety Data Sheet
FlexCAN Soil CN Compatible

SECTION 1: Identification

1.1 Product identifier

Product name	FlexCAN Soil CN Compatible
Product number	FBS 1176
Brand	FBSciences, Inc

1.3 Recommended use of the chemical and restrictions on use

Fertilizer

1.4 Supplier's details

Name	FBSciences Inc
Address	153 North Main Street Suite 100 Collierville TN 38017 USA
Telephone	901-221-1200

1.5 Emergency phone number(s)

CHEMTREC 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

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

- Eye damage/irritation (C.4.5), Cat. 1
- Skin corrosion/irritation (C.4.4), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram

Signal word **Danger**

Hazard statement(s)

H315	Causes skin irritation
H318	Causes serious eye damage

Precautionary statement(s)

P264	Wash … thoroughly after handling.
P280	Wear eye protection/face protection/protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water/…
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/…
P321	Specific treatment (see … on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

1. Nitric acid (70% to 80%)

Concentration	Not specified, Trade secret*
EC no.	231-714-2
CAS no.	7697-37-2
Index no.	007-004-00-1

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	Remove person to fresh air and keep comfortable for breathing.
In case of skin contact	Wash off with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor. Acute and delayed symptoms and effects: Causes serious eye damage. Signs/symptoms may include cloudy appearance of the cornea, chemical burns, severe pain, tearing, ulcerations, significantly impaired vision or complete loss of vision.

If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms/effects, acute and delayed
Not expected to present a significant hazard under anticipated conditions of normal use. May cause eye damage. May produce skin irritation.

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

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Specific hazards arising from the chemical
May intensify fire.

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid inhalation of vapour or mist. Use explosion-proof equipment.Keep away from sources of ignition - No smoking.Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Nitric acid (70% to 80%) (CAS: 7697-37-2 EC: 231-714-2)

8.2 Appropriate engineering controls
General industrial hygiene practice.

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

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with protective gloves that are impervious to the chemical substance. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection
In case of insufficient ventilation, wear A NIOSH certified respirator with APF>10, in accordance with OSHA respirator regulations found in 29 CFR 1910.134.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	liquid
Odor	No data available.
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
None under normal use conditions.

10.4 Conditions to avoid
Heat, flames and sparks.

10.5 Incompatible materials
Strong oxidizing agents

10.6 Hazardous decomposition products

Water: In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Not determined.

Skin corrosion/irritation
Causes skin burns.

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

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
Based on available data, classification data are not met

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
This product is not expected to cause reproductive or developmental effects.

STOT-single exposure
Causes damage to organs.

STOT-repeated exposure
Causes damage to organs through prolonged or repeated exposure

Aspiration hazard
No data available

SECTION 12: Ecological information

SECTION 13: Disposal considerations

SECTION 14: Transport information

DOT (US)
UN Number:
Class:
Packing Group:
Proper Shipping Name:
Reportable quantity (RQ):
Marine pollutant:
Poison inhalation hazard:

IMDG
UN Number:
Class:
Packing Group:
EMS Number:
Proper Shipping Name:

IATA
UN Number:
Class:
Packing Group:
Proper Shipping Name:

SECTION 15: Regulatory information

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

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canadian Domestic Substances List (DSL)
Chemical name: Nitric acid, zinc salt
CAS: 7779-88-6

Chemical name: Nitric acid, manganese(2++) salt
CAS: 10377-66-9

Chemical name: Nitric acid, iron(3++) salt
CAS: 10421-48-4

Chemical name: Nitric acid
CAS: 7697-37-2

Chemical name: Water
CAS: 7732-18-5

Chemical name: D-gluco-Heptonic acid, monosodium salt, (2·)-
CAS: 31138-65-5

Chemical name: D-glycero-D-gulo-Heptonic acid, monosodium salt
CAS: 13007-85-7

Massachusetts Right To Know Components
Chemical name: Zinc nitrate
CAS number: 7779-88-6

Chemical name: Ferric nitrate
CAS number: 10421-48-4

Chemical name: Nitric acid
CAS number: 7697-37-2

No components are subject to the Massachusetts Right to Know Act.

New Jersey Right To Know Components
Common name: ZINC NITRATE
CAS number: 7779-88-6

Common name: FERRIC NITRATE
CAS number: 10421-48-4

Common name: NITRIC ACID
CAS number: 7697-37-2

Water
CAS-No. 7732-18-5

Pennsylvania Right To Know Components
Chemical name: Nitric acid, zinc salt
CAS number: 7779-88-6

Chemical name: Nitric acid, iron(3+) salt
CAS number: 10421-48-4

Chemical name: Nitric acid
CAS number: 7697-37-2

Water
CAS-No. 7732-18-5

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
No SARA Hazards

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16: Other information