

3D-Admix™

Safety Data Sheet



SECTION 1: Identification

1.1 Product identifier

Product name **3D-Admix™**

Synonyms None

1.2 Other means of identification

Opaque liquid. No odor.

1.3 Recommended use of the chemical and restrictions on use

Thickener for hydraulically-setting mixes.

For Industrial Use Only

1.4 Supplier's details

Name Fast Track Forms, Inc

DBA SpaceCrete

Address 31100 Boice Lane
Fort Bragg, CA, USA

Telephone 707 961-1891

Fax 707 734-7377

1.5 Emergency phone number

707 961-1891

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Classification in accordance with OSHA (29 CFR 1910.1200)

Not classified

2.2 GHS label elements, including precautionary statements

Warning

Causes skin irritation

Causes eye irritation

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name 3D-Admix™

Hazardous components: None.

1. Trade Secret

Concentration 30 - 60 %
Other names / synonyms Liquid Component

Trade secret statement (OSHA 1910.1200(i))

This chemical is proprietary and classified as non-hazardous under the regulation referenced herein.

2. Trade secret

Concentration 40 - 70 %
Other names / synonyms Solids Component

Trade secret statement (OSHA 1910.1200(i))

This chemical is proprietary and classified as non-hazardous under the regulation referenced herein.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation, Eye contact Remove to fresh air. Get medical attention immediately if symptoms occur. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

SECTION 5: Fire-fighting measures

- 5.1 Suitable extinguishing media**
Use extinguishing media appropriate for surrounding fire.
- 5.2 Specific hazards arising from the chemical**
No information available.
- 5.3 Explosion data**
Sensitivity to mechanical impact none.
Sensitivity to static discharge none.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required.
- 6.2 Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- 6.3 Methods and materials for containment and cleaning up**
Mix with a controlled amount of water to swell up the contained solids, then sweep up and shovel into a suitable solid container. Mix with some dry cement to harden mixture before disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. 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.

SECTION 8: Exposure controls/personal protection

- 8.1 Appropriate engineering controls**
Showers
Eyewash stations
- 8.2 Individual protection measures, such as personal protective equipment (PPE)**
- Eye/face protection**
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin protection**
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Opaque Liquid
Odor	Slight
Odor threshold	No data available.
pH	6-9 (10% in water)
Melting point/freezing point	18 °C / 64 °F
Initial boiling point and boiling range	290 °C / 554 °F
Flash point	160 °C / 320 °F
Evaporation rate	No data available. Non-Volatile.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	32.5%
Upper/lower explosive limits	2.7% / 19% (by volume)
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	1.6
Solubility)	>500g/L (20 °C)
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	>400 °C / >750 °F
Decomposition temperature	No data available.
Viscosity	Varies
Explosive properties	None.
Oxidizing properties	None.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

None Known

10.5 Incompatible materials

Strong oxidizing agents, strong acids, strong bases

10.6 Hazardous decomposition products

None Known

SECTION 11: Toxicological information

Information on likely routes of exposure

Acute toxicity

LD50 Oral - Rat Result:

>15,000mg/kg

Remarks: Based on similar products.

Skin corrosion/irritation

Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).

Serious eye damage/irritation

Specific test data for the substance or mixture is not available. Irritating to eyes. (based on components). Causes eye irritation.

Ingestion

Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Germ cell mutagenicity**

No known significant effects or critical hazards.

Carcinogenicity

No known significant effects or critical hazards.

Reproductive toxicity

No known significant effects or critical hazards.

Summary of evaluation of the CMR properties

No known significant effects or critical hazards.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information**Toxicity**

No data available.

Persistence and degradability

No information available.

Bioaccumulation

Inherently biodegradable

Other adverse effects

No information available

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

SECTION 13: Disposal considerations**Disposal of the product**

Consult your local or regional authorities.

Disposal of contaminated packaging

Dispose of as unused product.

Waste treatment

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Sewage disposal

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Other disposal recommendations

Disposal of this product, solutions and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14: Transport information**DOT**

Not regulated

TDG

Not regulated

IMDG

Not regulated

ICAO

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations specific for the product in question****TSCA** (US Toxic Substances Control Act)

All ingredients comply.

DSL/NDL (Canadian Domestic Substances List / Non-domestic Substances List)

All ingredients comply.

EINEC/ELINCS (European Inventory of Existing Chemical Substances / European List of Notified Chemical Substances)

All ingredients comply.

United States Federal regulations

SARA Section 311/312 (Specific toxic chemical listings):
See section 2 for more information.

SARA Section 313 (Specific toxic chemical listings):
None of the ingredients is listed

RCRA (hazardous waste code):
None of the ingredients is listed

TSCA (Toxic Substances Control Act):
All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):
None of the ingredients is listed

Canada

Canadian Domestic Substances List (DSL):
All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%):
None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):
None of the ingredients is listed

Proposition 65 (California):

Chemicals known to cause cancer:
None of the ingredients is listed

Chemicals known to cause reproductive toxicity for female s:
None of the ingredients is listed

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed

Chemicals known to cause developmental toxicity:
None of the ingredients is listed

VOC Exempt.

OSHA Hazard Communication Standard

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

SECTION 16: Other information

Hazardous Material
Information System, USA
(HMIS):

Health : 1 (slight)
Flammability : 1 (slight)
Physical Hazards : 0 (none)

HMIS ratings are estimated from available data. The customer is responsible for determining the PPE code for this product.

National Fire Protection
Association, USA (NFPA):
Special : Not applicable

**16.1 Further information/disclaimer**

To the best of our knowledge, the information contained herein is accurate. However, neither the above -named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act U.S. Environmental Protection Agency
High Production Volume Chemicals Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications Organization for
Economic Co-operation and Development High Production Volume Chemicals Program Organization for Economic Co -operation
and Development Screening Information Data Set World Health Organization

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End of Safety Data Sheet