Safety Data Sheet

SECTION 1. Identification of the substance / mixture and of the company / undertaking

1.1. Product identifier Code: **426.10**

Name **Finglass**

1.2. Relevant identified uses of the substance or mixture and uses advised against

Description / Use **Vitrifying Acrylic**

1.3. Information on the supplier of the safety data sheet

Business name **DI MAIO COLORI SRL**

Address **Via Madonna delle Grazie - Industrial area**

Location and State **80030 Castello di Cisterna (NA)**
Italy

tel. 081-8038645

fax 081-5213370

e-mail of the competent person responsible for the safety data sheet **sdsdimaiocolori@gmail.com**

1.4. Emergency telephone number

For urgent information contact **Di Maio Colori srl**

Tel. +39 081 8038645 fax +39 081 5213370 hours of the poison control center AORNA Cardarelli Naples
Tel. +39 081 7472870 - 081 5753333 fax +39 081 7472868 Availability 24 h

SECTION 2. Hazards identification

2.1. Substance or mixture classification

The product is not classified as dangerous according to the provisions of Regulation (EC) 1272/2008 (CLP).
However, since the product contains dangerous substances in a concentration such as to be declared in section 3, it requires a safety data sheet with adequate information, in compliance with Regulation (EU) 2015/830.
Hazard classification and indications:

2.2. Label elements

Danger labeling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

Hazard pictograms: - -

Warnings: - -

Hazard statements:

EUH210 Safety data sheet available on request.

EUH208 Contains:
1,2-benzisothiazol-3 (2H) -one, tetramethylol acetylene diurea

It can cause an allergic reaction.

Precautionary advice:

- -

2.3. Other dangers

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

SECTION 3. Composition / information on ingredients

3.1. Substances

Not relevant information

3.2. Blends

Contains:

Identification	x = Conc.%	Classification 1272/2008 (CLP)
tetramethylol acetylene diurea		
CAS 5395-50-6	0.1 ≤ x <0.15	Skin Sens. 1B H317
THERE IS 226-408-0		
INDEX -		
1,2-benzisothiazol-3 (2H) -one		
CAS 2634-33-5	0 ≤ x <0.05	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M = 1, Aquatic Chronic 2 H411
THERE IS 220-120-9		
INDEX 613-088-00-6		

The full wording of the hazard statements (H) is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids well. Consult a physician if the problem persists.
SKIN: Take off contaminated clothing. Wash immediately and abundantly with water. If irritation persists, consult a physician. Wash the contaminated garments before reusing them.
INHALATION: Take the subject to fresh air. If breathing is difficult, call a doctor right away.
INGESTION: Get medical attention immediately. Induce vomiting only on medical advice. Do not administer anything by mouth if the subject is unconscious and if not authorized by the doctor.

4.2. Most important symptoms and effects, both acute and delayed

No specific information on symptoms and effects caused by the product is known.

4.3. Indication of any immediate medical attention and special treatment needed

Information not available

SECTION 5. Firefighting measures

5.1. Fire fighting

SUITABLE EXTINGUISHING MEDIA
The extinguishing media are the traditional ones: carbon dioxide, foam, powder and nebulized water.
UNSUITABLE EXTINGUISHING MEDIA
No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Avoid
breathing combustion products.

5.3. Recommendations for firefighters

GENERAL INFORMATIONS
Cool the containers with jets of water to avoid product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect the extinguishing water which must not be discharged into the sewers. Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.
EQUIPMENT
Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop the leak if there is no danger.
Wear suitable protective equipment (including personal protective equipment referred to in section 8 of the safety data sheet) to prevent contamination of skin, eyes and personal clothing. These indications are valid both for the workers and for emergency interventions.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water, groundwater.

6.3. Methods and materials for containment and cleaning up

Suck up the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.
Provide sufficient ventilation of the place affected by the leak. The disposal of contaminated material must be carried out in accordance with the provisions of point 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for Safe Handling

Handle the product after consulting all the other sections of this safety data sheet. Avoid the dispersion of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Keep only in the original container. Keep the containers closed, in a well-ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, checking section 10.

7.3. Specific end uses

Information not available

SECTION 8. Exposure controls / personal protection

8.1. Control parameters

Information not available

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust.
For the choice of personal protective equipment, if necessary, seek advice from your chemical suppliers. Personal protective equipment must bear the CE mark which certifies their compliance with current regulations.

HAND PROTECTION
Protect hands with category III work gloves (ref. Standard EN 374).
For the final choice of the material of the work gloves it is necessary to consider: compatibility, degradation, breakage time and permeation.
In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. Gloves have a wear time that depends on the duration and mode of use.

SKIN PROTECTION
Wear category I professional long-sleeved work clothes and safety footwear (ref. Directive 89/686 / EEC and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION
It is recommended to wear airtight protective goggles (ref. Standard EN 166).

RESPIRATORY PROTECTION
In case of exceeding the threshold value (eg TLV-TWA) of the substance or of one or more of the substances present in the product, it is recommended to wear a mask with a type B filter whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If there are gases or vapors of a different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.), combined filters must be provided. The use of respiratory protection means is necessary in case the technical measures adopted are not sufficient to limit the exposure of the worker to the threshold values taken into consideration. The protection offered by the masks is however limited.
In the event that the substance in question is odorless or its olfactory threshold is higher than the relative TLV-TWA and in the event of an emergency, wear an open-circuit compressed air breathing apparatus (ref. Standard EN 137) or a self-contained breathing apparatus. outdoor air (ref. EN 138 standard). For the correct choice of the respiratory protection device, refer to the EN 529 standard.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment should be controlled for compliance with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	viscous liquid
Color	transparent
Odor	characteristic
Odor threshold	Unavailable
pH	8 - 9
Melting or freezing point Initial	Unavailable
boiling point	> 100 ° C
Boiling range Flash	Unavailable
point Evaporation rate	Unavailable
	Unavailable
Flammability of solids and	Unavailable
gases Lower flammability limit	Unavailable
Upper flammability limit Lower	Unavailable
explosive limit Upper explosive	Unavailable
limit Vapor pressure	Unavailable
	Unavailable
Vapor density	Unavailable
Relative density	0,980 kg / lt
Solubility	Unavailable
Partition coefficient: n-octanol / water Auto-	Unavailable
ignition temperature	Unavailable
Decomposition temperature	Unavailable
Viscosity	500 - 1000 cP
Explosive properties	none
Oxidizing properties	none

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

In normal conditions of use and storage no dangerous reactions are foreseeable.

10.4. Conditions to avoid

None in particular. However, follow the usual precautions towards chemicals.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product itself, any health hazards of the product have been assessed on the basis of the properties of the substances contained, according to the criteria established by the reference legislation for classification.
Therefore, consider the concentration of the individual dangerous substances possibly mentioned in sect. 3, to evaluate the toxicological effects deriving from exposure to the product.

11.1. Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects and chronic effects from short and long term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no relevant component) LD50 (Oral) of the mixture: Not classified (no relevant component) LD50 (Dermal) of the mixture: Not classified (no relevant component)

1,2-benzisothiazol-3 (2H) -one

LD50 (Oral) 1193 mg / kg Rat

LD50 (Dermal) 4115 mg / kg Rat

2,2,4 Trimethyl 1,3 pentanediol monoisobutyrate

LD50 (Oral)> 3200 mg / kg Rats

tetramethylol acetylene diurea

LD50 (Oral)> 5000 mg / kg rat

LD50 (Dermal)> 2000 mg / kg rat

LC50 (Inhalation)> 5000 mg / l / 4h Rat - Dusts and mists

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

It does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION

May produce an allergic reaction.Contains: 1,2-benzisothiazol-3 (2H) -one
tetramethylol acetylene diurea

MUTAGENICITY ON GERMINAL CELLS

It does not meet the classification criteria for this hazard class

CARCINOGENICITY

It does not meet the classification criteria for this hazard class

REPRODUCTION TOXICITY

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

It does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

It does not meet the classification criteria for this hazard class

DANGER IN CASE OF SUCTION

It does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

As specific data on the preparation are not available, use according to good working practices, avoiding to disperse the product in the environment. Avoid dispersing the product in the ground or water courses. Notify the competent authorities if the product has reached water courses or if it has contaminated the soil or vegetation. Take measures to minimize the effects on the aquifer.

12.1. Toxicity

tetramethylol acetylene diurea
EC: 226-408-0 CAS number: 5395-50-6

Acute EC50> 17.8 mg / l		Daphnia magna	48 hours
Acute IC50	2.02 mg / l	Scenedesmus sybspicatus	96 hours
Acute LC50	158 mg / l	Danio rerio	96 hours

1,2-benzisothiazol-3 (2H) -one

LC50 - Fish	2,18 mg / l / 96h Oncorhynchus mykiss (rainbow trout)
EC50 - Crustaceans	2.94 mg / l / 48h Daphnia magna
EC50 - Algae / Aquatic Plants	0.11 mg / l / 72h PSeudokirchneriella subcapitata

2,2,4 Trimethyl 1,3 pentanediol monoisobutyrate

LC50 - Pisces	30 mg / l / 96h
EC50 - Crustaceans	> 95 mg / l / 48h Daphnia

tetramethylol acetylene

diurea LC50 - Fish	17.6 mg / l / 96h Brachydanuo rerio
EC50 - Crustaceans	> 38.9 mg / l / 48h Daphnia magna
EC50 - Algae / Aquatic Plants	8,5 mg / l / 72h Desmodesmus subspicatus

12.2. Persistence and degradability

1,2-benzisothiazol-3 (2H) -one

Quickly degradable
> 70 (Dissolved organic carbon)

tetramethylol acetylene diurea

Rapidly degradable
Biodegradability:> 70%

12.3. Bioaccumulation potential

Information not available

12.4. Mobility in soil

2,2,4 Trimethyl 1,3 pentanediol monoisobutyrate

Partition coefficient: soil / water	300

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain PBT or vPvB substances in percentage greater than 0.1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse if possible. The residues of the product as such are to be considered special non-hazardous waste.
Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations.
CONTAMINATED PACKAGING
Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transport information

SECTION 15. Regulatory information

15.1. Health, safety and environmental legislation and regulations specific to the substance or mixture

Seveso Category - Directive 2012/18 / EC: None

Restrictions relating to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006

None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain SVHC substances in percentage greater than 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification obligation Reg. (EC) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary checks

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has not been developed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in sections 2-3 of the sheet:

Acute Tox. 4	Acute toxicity, category 4 Serious eye
Eye Dam. 1	damage, category 1 Skin irritation,
Skin Irrit. 2	category 2 Skin sensitization, category 1
Skin Sens. 1	Skin sensitization, category 1B
Skin Sens. 1B	
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1

Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction. Very toxic
H400	to aquatic organisms.
H411	Toxic to aquatic life with long lasting effects. Safety data sheet
EUH210	available on request.

LEGEND:
- ADR: European agreement for the transport of dangerous goods by road
- CAS NUMBER: Number of the Chemical Abstract Service
- EC50: Concentration affecting 50% of the population under test
- CE NUMBER: Identification number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived no effect level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System for Classification and Labeling of Chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subject to testing
- IMDG: International maritime code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal Dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulating and toxic according to REACH
- PEC: Predicted environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted No Effect Concentration
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulating according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:
1. Regulation (EC) 1907/2006 of the European Parliament (REACH)
2. Regulation (EC) 1272/2008 of the European Parliament (CLP)
3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- NI Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website

- ECHA Agency website
- Database of SDS models of chemical substances - Ministry of Health and National Institute of Health

Note for the user:

The information contained in this sheet is based on the knowledge available to us at the date of the latest version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product does not fall under our direct control, the user is obliged to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

Provide adequate training to personnel assigned to the use of chemicals.