

SAFETY DATA SHEET

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

- a. Product Name : X-CLARITY™ Mounting Solution
- Product Number : C13100, C13101, C13102, C13107
- b. Relevant identified uses of the substance or mixture and uses advised against : **Identified uses**
Laboratory chemicals, Manufacture of substances
- c. Manufacturer & Supplier : Aligned Genetics, Inc
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For research use only. Not intended for human or animal diagnostic or therapeutic use.

SECTION 2: Hazards identification

a. GHS classification

Classification according to Regulation (EC) No 1272/2008
Not hazardous

b. GHS-Labeling

The product does not need to be labeled in accordance with EC directives or respective national laws.

c. Other hazard which do not result in classification

None

SECTION 3: Composition/ Information on ingredients

3b. Mixtures

Component:	Trade secret
CAS-No.:	Trade secret
Weight%:	> 60%

SECTION 4: First aid measures

- a. In case of eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- b. In case of skin contact**
Immediately wash with water and soap and rinse thoroughly.
- c. If inhaled**
If breathed in, move person into the fresh air.
If not breathing, give artificial respiration.
- d. If swallowed**
Never give anything by mouth to an unconscious person. Rinse mouth with water. If symptoms persist, consult a doctor.
- e. Indication of any immediate medical attention and special treatment needed**
No further relevant information is available.

SECTION 5: Firefighting measures

- a. Suitable extinguishing media**
Use sand, water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- b. Specific hazards arising from the chemical**
Carbon oxides, nitrogen oxides (NO_x), Hydrogen iodide.
- c. Special protective actions for fire-fighters**
Wear self-contained breathing apparatus for fire-fighting if necessary.
- d. Further information**
No data available.

SECTION 6: Accidental release measures

- a. Personal precautions, protective equipment and emergency procedures**
Avoid breathing vapors, mist, or gas.
See section 8 for personal protection.
- b. Environmental precautions**
Do not let product enter drains.
- c. Methods and materials for containment and cleaning up**
Keep in suitable, closed containers for disposal.
- d. Reference to other sections**
See Section 7 for information on safe handling.
See section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- a. Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle the receptacle with care.
Normal measures for preventive fire protection.
- b. Conditions for safe storage**

Keep containers tightly closed in a dry, cool, and well-ventilated place.
Containers that are opened must be carefully resealed and kept upright to prevent leakage.
Recommended storage temperature: 2 – 8 °C

c. Specific end use(s)

No data available.

SECTION 8: Exposure controls/ personal protection

a. Control parameters

Components with workplace control parameters.

b. Appropriate engineering controls

General industrial hygiene practice.

c. Personal protective equipment

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

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching the 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific workplace.

Respiratory protection

Respiratory protection is not required. For nuisance, exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

a. Appearance	Form: liquid
b. Odor	No data available
c. Odor Threshold	No data available
d. pH	No data available
e. Melting point/freezing point	No data available
f. Initial boiling point and boiling range	>200°C
g. Flash point	No data available
h. Evaporation rate	No data available
i. Flammability (solid, gas)	No data available
j. Lower explosion limit	No data available
k. Upper explosion limit	No data available

l. Vapour pressure	No data available
m. Vapour density	No data available
n. Refractive index	1.46 at 25°C
o. Specific Gravity/Relative density	No data available
p. Solubility	No data available
q. Partition coefficient: n-octanol / water	No data available
r. Auto-ignition temperature	No data available
s. Decomposition temperature	No data available
t. Viscosity	No data available
u. Dynamic viscosity	No data available

Other safety information

No data available

SECTION 10: Stability and reactivity

- a. Stability**
Stable under recommended storage conditions.
- b. Reactivity**
No data available.
- c. Possibility of hazardous reactions**
No data available.
- d. Conditions to avoid**
No data available.
- e. Incompatible materials**
Strong oxidizing agents.
- f. Hazardous decomposition products**
In the event of fire: see section 5.

SECTION 11: Toxicological information

- a. Information on likely routes of exposure**
 - Inhalation**
May be harmful if inhaled. May cause respiratory tract irritation.
 - Ingestion**
May be harmful if swallowed.
 - Skin**
May be harmful if absorbed through the skin. May cause skin irritation.
 - Eyes**
May cause eye irritation.
- b. Delayed and immediate effects and also chronic effect from short and long term exposure**
 - Acute toxicity**
LD50 Oral – rat: 20.000 mg/kg
 - Skin corrosion/irritation**
No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

RTECS: CZ2205000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

SECTION 12: Ecological information**a. Toxicity**

No data available.

b. Persistence and degradability

No data available.

c. Bioaccumulative potential

No data available.

d. Mobility in soil

No data available.

e. Results of PBT and vPvB assessment

No data available.

f. Other adverse effects

No data available.

SECTION 13: Disposal considerations**a. Disposal methods**

Offer surplus and non-recyclable solutions to a licensed disposal company.

b. Contaminates packaging

Dispose of as unused product.

SECTION 14: Transport information

UN number	ADR/RID: -	IMDG: -	IATA: -
UN proper shipping name	ADR/RID: Not dangerous goods	IMDG: Not dangerous goods	IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: -	IMDG: -	IATA: -
Packaging group	ADR/RID: -	IMDG: -	IATA: -
Environmental hazards	ADR/RID: no	IMDG Marine pollutant: no	IATA: no
Special precautions for user	No data available		

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

a. Regulation under the Occupational Safety and Health Act

No data available.

b. Chemical safety assessment

No data available.

SECTION 16: Other information

Further information

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End of Safety Data Sheet