

GDT ACRYLSOFT RELINE

**Material safety data sheet
(MSDS) Version 1.0 / EN**

15.10.2023

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SECTION 1: THE NAME AND STRUCTURE OF SUBSTANCE OR A MATERIAL

1.1. Product identifier

Product Name	GDT Acrysoft Reline.
Physical State	Powder (polymer) and liquid (monomer).

1.2. Structure

Contents	Powder – acrylic polymer, coloring agent (pigment). Liquid – methyl methacrylate, dibutyl phthalate.
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SECTION 2: DATA ON THE ORGANIZATION-MANUFACTURER OR THE SUPPLIER

2.1. Details of the supplier of the safety data sheet:

Company-Name	GDT Implants.
Company-Address	Yitzhak Ben Zvi 9/64 Beer Sheva, Israel
Contact-Name	Yakir Solcman
Phone/Fax	+972.54.77.90.282
E-mail	info@gdt-Implants.com

2.2. Emergency telephone number:

Phone / Fax	+972.54.77.90.282
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SECTION 3: KINDS OF DANGEROUS INFLUENCE AND A CONDITION OF THEIR OCCURRENCE

3.1. Flam. Liq. 2 H225: Highly flammable liquid and vapour.

3.2. Eye Irrit. 2A H319: Causes serious eye irritation.

3.3. Ensure good ventilation/exhaustion at the workplace. Do not inhale dust / smoke / mist.

SECTION 4: MEASURES OF FIRST AID

4.1. After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. Take affected persons into fresh air.

4.2. After skin contact:

If skin irritation continues, consult a doctor.

4.3. After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

4.4. After swallowing:

Rinse out mouth and then drink plenty of water. If symptoms persist consult doctor.

SECTION 5: MEASURES AND MEANS OF MAINTENANCE OF FIRE SAFETY

5.1. Methyl metacrylate is flammable.

The boiling point is 100.6-101.1 °C. The flash point in closed crucible is 8 °C. Auto-ignition temperature 460 °C.

5.2. Ether and air vapor form explosive mixtures (explosive mixture category I, group B). The ignition region of vapors in the air is 1.5-11.6% (by volume). Temperature limits of vapor ignition in air: lower 2 °C, upper 43 °C.

5.3. Extinguishing media:

Suitable extinguishing agents: CO₂, powder or water spray, asbestos cloth.

5.4. For safety reasons unsuitable extinguishing agents:

Water with full jet.

5.5. Special hazards arising from the substance or mixture:

Formation of toxic gases is possible during heating or in case of fire.

SECTION 6: MEASURES ON PREVENTION OF EXTREME SITUATIONS

6.1. Does not cause occurrence of extreme situations.

SECTION 7: RULES OF THE MANIPULATION AND STORAGE

7.1. Rules of the manipulation according to the instruction on the application, confirmed when due hereunder. Special conditions for storage it is not required.

SECTION 8: RULES AND MEASURES ON A SAFETY OF THE USER

8.1. Personal protective equipment:

The usual precautionary measures are to be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

8.2. Respiratory protection:

Suitable respiratory protective device recommended.

8.3. Protection of hands:

Protective gloves.

8.4. Eye protection:

Tightly sealed goggles.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Powder: pink without impurities. Odourless.

Liquid: transparent liquid with characteristic odour.

SECTION 10: STABILITY AND CHEMICAL ACTIVITY

10.1. It is chemically stable during unlimited time.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Toxicity.

Liquid – Acute toxicity.

11.2. LD/LC50 Values:

Oral LD50 : 7060 mg/kg (rat).

Inhalative LC50/4 h 20000 mg/l (rat).

11.3. Primary irritant effect:

- Skin corrosion/irritation – No irritant effect
- Serious eye damage/irritation – No irritating effect.
- Respiratory or skin sensitization – No sensitising effects known.
- Repeated dose toxicity – No further relevant information available.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) – No further relevant information available.

SECTION 12: INFLUENCE ON AN ENVIRONMENT

12.1. Does not render harmful influence on an environment.

SECTION 13: RECYCLING AND A BURIAL PLACE OF WASTE (RESTS)

13.1. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

SECTION 14: RULES OF TRANSPORTATION

14.1. It is steady against the mechanical influences arising at transportation, does not possess corrosion activity, does not represent danger by transportation. In the packed kind it is transported by all kinds of vehicles according to rules of transportation of the cargoes, acting a corresponding type of transport.

Since the working conditions of the final user are unknown, the information presented in this safety data sheet is based on the current level of our knowledge, based on national and general standards.

The product should not be used for any other purpose than those indicated under heading without first receiving written instructions for use. The user must take all necessary measures to comply with the requirements and rules of the law. The information in this safety data sheet should be considered as a description of the safety requirements that apply to our product and does not guarantee its properties.