



SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name : Silicone to silicone mold release

Product Code : A-530

Intended Use(s) : General purpose release agent

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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SECTION 2: HAZARD(S) IDENTIFICATION

Risk identification:

Extremely flammable, harmful, dangerous for the environment.

Special risks for human beings and environment:

Extremely flammable. Container under pressure. Avoid temperatures of more than 50 °C. Do not pierce or burn, even after use. Irritating of skin. Harmful. Toxic to aquatic organisms.

Classification:

Classification corresponds to actual EC guidelines, however completed with details from technical literature and company data.



SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Solution of paraffins in hexane

Description:

Hazardous components:

<u>CAS-Nr.:</u>	<u>Name</u>	<u>R-classification</u>
[110-54-3]	n-hexane	Xn, F, N R=11-38-48/20-62-51/53-65-67
[75-28-5]	isobutane	F+, R12
[74-98-6]	propane	F+, R12

SECTION 4: FIRST-AID MEASURES

General information:

Seek medical advice, if symptoms occur, which can be caused by the product.

After skin contact:

Wash with plenty of water and soap and rinse thoroughly.

After inhalation:

Remove from area and provide fresh air.

After eye contact:

Rinse with plenty of water and consult an ophthalmologist.

After swallowing:

Rinse out mouth and then drink plenty of water. Seek medical advice immediately.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media:

CO2, powder, sand. Do not use water.

Protective equipment:

Wear a self-contained breathing apparatus.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:

Do not inhale vapors. Ensure supply of fresh air in enclosed rooms. Keep away from ignition sources.

Environmental precautions:

Do not allow to enter drains.

Methods for cleaning up:

Wipe out with absorbent materials. Forward of disposal.

SECTION 7: HANDLING AND STORAGE

Handling:

The product should only be supplied or handled to dentists or dental technicians or upon their instructions.

Handling Precautions:

Ensure good ventilation/exhaustion at the workplace. Do not inhale substance. Keep containers tightly sealed. Keep away from heat and direct sunlight.

Recommendation for fire and explosion protection:

Keep away from heat and ignition sources, do not smoke. Do not spray on flames or red-hot objects. Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.

Storage:

Store at a cool place (15-25°C; 60-80°F).

Additional storage conditions:

Heat will increase pressure and may lead to the container exploding. Protect from heat and direct sunlight.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information for technical plants:

Use under exhausting conditions, away from heat and ignition sources

Components with limits of values to be supervised at the workplace:

CAS-Nr.	Name	Art	Value/Unit
110-54-3	n-Hexane	MAK	50 ml/m ³ , 180mg/m ³
75-28-5	Isobutane	MAK	1000 ml/m ³ , 2400mg/m ³
74-98-6	Propane	MAK	1000 ml/m ³ , 1800mg/m ³



Additional information:

Personal protective equipment: Work clothing

General measures of protection and hygiene: Normal hygienic measures. Do not inhale gases / fumes / aerosols.

Respiration: Not necessary if room is well ventilated.

hands: Protective gloves (nitrile rubber)

eyes: Eye protection required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid
Color: colorless
Odor: characteristic

Value Unit Method

Information on change in the physical state melting point/melting range: n/a
Boiling point/boiling range: Not applicable, as aerosol
Flash point: ca. - 40 °C
Auto ignition temperature: Product is not self-igniting.
Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures is possible

Critical values for exposure lower: 1,2 Vol%, upper 10, 9 Vol%
Density: 0.60 (20 °C) g/cm3
Vapor pressure: n.a.
Viscosity: n.a.
pH: neutral
Solubility in/miscibility with: miscible with most organic solvents; Alcohols

Water: insoluble
Content of solvents:
Organic solvents: n-hexane
Water: none
Content of solids: none



SECTION 10: STABILITY AND REACTIVITY

Conditions to be avoided:

Protect from heat and direct sunlight.

Dangerous reactions:

Forms explosive gas mixture with air. Danger of containers bursting because of high vapor pressure.

Hazardous decomposition products:

none

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: LD50 (oral, rat): 28710 mg/kg (n-hexane)

Primary irritation:

Skin: Irritating for skin and mucous membrane

Eye: Slight irritations possible

Sensitization of product: No sensitizing effect known.

Additional toxicological information: During the long period of use as separator in a dental technician laboratory no health diseases are reported.

SECTION 12: ECOLOGICAL INFORMATION

General information:

Do not rinse it in the groundwater

Classification of water endangerment:

The product contains materials that are harmful for the environment. Toxic for aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

Product: Recommendation:

Use proper landfill disposal or incineration in accordance with local, state and federal regulations.

Disposal key number:

14 06 03 other solvents and solvent mixtures.

Uncleaned packaging:

Packaging that cannot be cleaned is to be disposed of in the same manner as the product.



SECTION 14: TRANSPORT INFORMATION

Land transport ADR/RID (Germany):

UN 1950

AEROSOLS, flammable, 2.1

Sea transport IMDG:

Inland waterway ADN, ADNR not tested

UN 1950

AEROSOLS, flammable, 2.1

Air transport ICAO-TI/IATA-DGR:

UN 1950

AEROSOLS, flammable, 2.1

The transport regulations are cited according to international regulations and in the form applicable in Germany. Possible national deviations in other countries are not considered.

SECTION 15: REGULATORY INFORMATION

Classification according to EC-guidelines:

F+ Extremely flammable

Xn Harmful

N Dangerous for the environment

R 12-38-48/20-62-51/53 Extremely flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of impaired fertility. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S 9-16-23-36/37-51 Keep container in a well-ventilated place. Keep away from sources of ignition - no smoking. Do not breathe aerosol. Wear suitable protective clothing and gloves. Use only in well-ventilated areas.

SECTION 16: OTHER INFORMATION

DISCLAIMER / STATEMENT OF LIABILITY:

Factor II, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and/or fire prevention as necessary or appropriate to the use and understanding of the data contained in this SDS. To promote safe handling each customer or recipient should 1) notify and furnish its employees, agents, contractors, customers and/or others whom it knows or believes will use this material of the information regarding hazards or safety, and 2) request its customers to notify their employees, customers and other users of the product of this information.