

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

1.1 Product identifier

68E 3D Embossing Filler

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

Relevant identified uses

Fillers, putties, plasters, modelling clay

1.3 Details of the supplier of the safety data sheet

Supplier

Renia Gesellschaft mbH
Ostmerheimer Straße 516 Telephone: +492216307990
51109 Köln E-mail: info@renia.com
Deutschland Website: www.renia.com

Department responsible for information

E-mail (competent person) labor@renia.com

1.4 Emergency telephone number

Emergency telephone number infotrac: 1-800-535-5053
Only available during office hours.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

* Classification according to Regulation Appendix A and B to 29 CFR 1910.1200 [HCS 2012]

Flam. Liq. 2; flammable liquids; H225 Highly flammable liquid and vapour.
STOT SE 3 Narcotic effects; STOT-single exposure; H336 May cause drowsiness or dizziness.
Skin Irrit. 2; Skin corrosion/irritation; H315 Causes skin irritation.

2.2 Label elements

Labelling according to Regulation Appendix C to 29 CFR 1910.1200 [HCS 2012]

Hazard pictograms



Signal word

Danger

* Hazard statements

H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H315 Causes skin irritation.

* Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P261 Avoid breathing vapours.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves and eye/face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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 Version 3.0

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P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER if you feel unwell.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to industrial incineration plant.

Hazard components for labelling

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

2.3 Other hazards

No information available.

SECTION 3: Composition / information on ingredients

3.2 Mixtures

Description

Cork granulate with solvent-based binder

Hazardous ingredients

CAS No. EC No. INDEX No.	Substance name REACH No. Classification according to Regulation Appendix A and B to 29 CFR 1910.1200 [HCS 2012]	weight-%
- 921-024-6 649-328-00-1	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane 01-2119475514-35 Flam. Liq. 2 H225 / Asp. Tox. 1 H304 / Skin Irrit. 2 H315 / STOT SE 3 H336 / Aquatic Chronic 2 H411	50,0 < 75,0

Remark

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove affected person from the danger area and lay down.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

Following skin contact

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

dizziness. Nausea.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Transport affected person in lying position, in case of shortness of breath in half-sitting position.

Where appropriate artificial ventilation.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), alcohol resistant foam, Extinguishing powder, ABC-powder, spray mist, (water), Dry sand.

Unsuitable extinguishing media

Full water jet. Strong water jet.

5.2 Special hazards arising from the substance or mixture

Flammable. Vapours can form explosive mixtures with air. Do not inhale explosion and combustion gases. In case of fire may be liberated: Hydrogen chloride (HCl). Burning produces heavy smoke.

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4 Additional information

Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Before starting work, apply solvent-resistant skincare preparations.

Further information

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours/aerosols must be exhausted directly at the point of origin. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Store in a well-ventilated and dry room at temperatures between 10 °C and 30 °C. Ensure adequate ventilation of the storage area.

Hints on joint storage

Do not store together with: Oxidizing agent, Pyrophoric or self-heating substances. Store packaging and ignitable materials separately. Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Floors should be impervious, resistant to liquids and easy to clean. Store small packages in a suitable, robust cabinet.

7.3 Specific end use(s)

Adhesives, sealants, Roller application or brushing of adhesive and other coating.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

No data available

Biological limit values

No data available

DNEL worker

CAS No.	Substance name	DNEL type	DNEL value
-	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	DNEL long-term dermal (systemic)	773 mg/kg
-	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	DNEL long-term inhalative (systemic)	2.035 mg/m ³

DNEL Consumer

CAS No.	Substance name	DNEL type	DNEL value
-	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	DNEL long-term dermal (systemic)	699 mg/kg
-	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	DNEL long-term inhalative (systemic)	608 mg/m ³
-	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane	DNEL long-term oral (repeated)	699 mg/kg

8.2 Exposure controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Personal protection equipment

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device (EN 14387) Use the following filter types for cleaning waste gases:

Hand protection

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Wear anti-static footwear and clothing

Environmental exposure controls

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state liquid

Colour brown

Safety characteristics

Odour	characteristic
Odour threshold	not determined
pH at 20 °C:	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	56 °C
Flash point	< -20 °C
Evaporation rate at 20°C	not determined
Burning time (s)	not applicable
Lower explosion limit at 20°C	2,1 Vol-%
Upper explosion limit at 20°C	14,3 Vol-%
Vapour pressure at 20°C	246 mbar
Density at 20°C	0,41 kg/l
Water solubility (g/L) at 20°C	not determined
Partition coefficient: n-octanol/water	see section 12
Ignition temperature in °C	460 °C
Decomposition temperature	not determined
* Viscosity	> 50.000 mPas
Explosive properties	not relevant
Oxidising properties	not relevant

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

10.3 Possibility of hazardous reactions

Gases / vapours, highly flammable. Vapours can form explosive mixtures with air.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials

Acid, concentrated, Oxidising agent, strong.

10.6 Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

LD50: (Rat): > 5.000 mg/kg; (OECD 401)

LC50: (Rat): > 20 mg/L (4 h); (OECD 403)

LD50: dermal (Rabbit): > 2.000 mg/kg; (OECD 402)

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

* Based on available data, the classification criteria are not met.

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

SECTION 12: Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met.

Acute (short-term) fish toxicity

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

LC50: (Oncorhynchus mykiss (Rainbow trout)): = 11,4 mg/L (96 h)

Acute (short-term) toxicity to algae and cyanobacteria

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

EL50: (Pseudokirchneriella subcapitata): = 30 < x > 100 mg/L (72 h)

Acute (short-term) toxicity to crustacea

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

EL50: (Daphnia magna (Big water flea)): = 3 mg/L (48 h)

12.2 Persistence and degradability

Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

Biodegradation; (Activated sludge) = 81 % (28 d)

Method: OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D

Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste codes/waste designations according to EWC/AVV

080409* - Waste adhesives and sealants containing organic solvents or other dangerous substances

Other disposal recommendations

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1 UN number

UN 1133

14.2 UN proper shipping name

Land transport (ADR/RID)

KLEBSTOFFE (enthält Kohlenwasserstoffe, C6-C7, Isoalkane, Cyclene, <5% n-Hexan)

Sea transport (IMDG)

Adhesives (contain Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane)

Air transport (ICAO-TI / IATA-DGR)

Adhesives (contain Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane)

14.3 Transport hazard class(es)

Land transport (ADR/RID) 3

Sea transport (IMDG) 3

Air transport (ICAO-TI / IATA-DGR) 3

14.4 Packing group

* Land transport (ADR/RID) II
for packages < = 450 litres: III

* Sea transport (IMDG) II
for packages < 30 litres: III

* Air transport (ICAO-TI / IATA-DGR) II
for packages < 30 litres: III

14.5 Environmental hazards

Land transport (ADR/RID) ENVIRONMENTALLY HAZARDOUS

Sea transport (IMDG) Marine pollutant / Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage. Advices on safe handling: see parts 6 - 8

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID)

tunnel restriction code: D/E

* for packages < = 450 litres: E

Special provisions SV 640C

Sea transport (IMDG)

EmS-Code: F-E, S-D

Air transport (ICAO-TI / IATA-DGR)

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

* Not subject to StörfallVO.

* **Hazard categories / Named dangerous substances**

E2 Hazardous to the aquatic environment in Category Chronic 2

Quantity 1: 200t; Quantity 2: 500t

P5c Flammable liquids
Quantity 1: 5.000t; Quantity 2: 50.000t

National regulations

15.2 Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

REACH No.	Substance name
01-2119475514-35	Hydrocarbons, C6-C7, isoalkanes, cyclics, <5% n-hexane

SECTION 16: Other information

Relevant R-, H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

* **Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]**

Flam. Liq. 2	On basis of test data.
STOT SE 3 Narcotic effects	Calculation method.
Skin Irrit. 2	Calculation method.

Abbreviations and acronyms

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

Indication of changes

* Data changed compared with the previous version