

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name/designation : Ruby Chip / oil
Article No (user) : NA

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

Relevant identified uses : For Research Use Only. Not for use in diagnostic procedures.
Uses advised against : No data available.

1.3. Details of the supplier of the safety data sheet

Supplier : Name: Stilla Technologies
Street: 1 mail du Professeur Georges Mathé
Postal code/City: 94800 Villejuif
Country: France
Telephone: (+33) 09 82 29 50 50
E-mail: info@stilla.fr

1.4. Emergency Telephone Number

European Union: Contact your local poison center. See section 16.7

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified.

Adverse physicochemical, human health and environmental effects

No additional information available.

2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210-Safety data sheet available on request.

2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Multi-constituent.

3.2. Mixtures

Oil for digital PCR applications.

3.3. Remark

Text phrases and H- EUH-: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	:	Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.
Following inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
Following skin contact	:	Wash with soap and water.
Following eye contact	:	Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
Following ingestion	:	Never give anything by mouth to an unconscious person. Get medical advice/attention.
Self-protection of the first aider	:	No special measures are necessary.

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

Following inhalation	:	No information available.
Following skin contact	:	May cause skin irritation.
Following eye contact	:	May cause eye irritation.
Following ingestion	:	Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

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

Notes for the doctor	:	No information available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray. Water fog. Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	:	None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard	:	Combustible liquid. Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.
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5.3. Advice for firefighters

Firefighting instructions	:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Unsuitable extinguishing media	:	Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

5.4. Additional information

Do not inhale vapors and fumes. Co-ordinate fire-fighting measures to the fire surroundings. Move undamaged containers from immediate hazard area if it can be done safely. Use caution when applying carbon dioxide in confined spaces. Carbon dioxide can displace oxygen. Use water spray jet to protect personnel and to cool endangered containers. 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

Use personal protection equipment.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Collect in closed and suitable containers for disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Wipe up with absorbent material (eg. cloth, fleece).

6.4. Reference to other sections

Safe handling: see section 7. Disposal: see section 13. Personal protection equipment: see section 8.

6.5. Additional information

Not available

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

PROTECTIVE MEASURES

Keep away from heat, open flames, sparks. - No smoking.

Advices on general occupational hygiene

Wash hands before breaks and after work.

Remove contaminated, saturated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	:	Keep container tightly closed.
Incompatible materials	:	Oxidizing agent.
Storage area	:	Store in a well-ventilated place. Store away from heat.

7.3. Specific end uses

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Romania	OEL TWA (mg/m ³)	60 mg/m ³ 200 mg/m ³
Romania	OEL STEL (mg/m ³)	80 mg/m ³ 200 mg/m ³

8.2. Exposure controls

Appropriate engineering controls : Provide local exhaust or general room ventilation..

Personal protection equipment



Eye/face protection	:	Suitable eye protection: Goggles.
Skin protection	:	Hand protection: Disposable gloves. Body protection: Lab coat.
Respiratory protection	:	Suitable respiratory protection apparatus: No data available.

Environmental exposure controls

No special measures are necessary.

8.3. Additional information

Not available

SECTION 9: Physical and chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Colorless
Odor:	Odorless
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility(ies):	Not available
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidizing properties:	Not available

9.2. Other safety information

Not available

SECTION 10: Stability and Reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Not available.

10.4. Conditions to avoid

Heat. Open flame. Sparks.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Not available.

10.7. Additional information

Not available

SECTION 11: Toxicological information

11.1. Acute oral toxicity

Data for mixture

Not available

Substances

Not classified

11.2. Acute skin toxicity

Data for mixture

Not available

Substances

Not classified

11.3. Acute inhalation toxicity

Data for mixture

Not available

Substances

Not available

11.4. Skin corrosion

Data for mixture

Not available

Substances

Not classified

11.5. Eye damage

Data for mixture

Not available

Substances

Not classified

11.6. Skin sensitisation

Data for mixture

Not available

Substances

Not classified

11.7. STOT RE

Data for mixture

Not available

Substances

Not available

11.8. STOT SE

Data for mixture

Not available

Substances

Not classified

11.9. STOT RE

Data for mixture

Not available

Substances

Not classified

11.10. Carcinogenicity

Data for mixture

Not available

Substances

Not classified

11.11. Reproductive and Developmental Toxicity

Data for mixture

Not available

Substances

Not classified

11.12. Genotoxicity

Data for mixture

Not available

Substances

Not classified

11.13. In vitro genotoxicity

Data for mixture

Not available

Substances

Not classified

11.14. Respiratory sensitisation

Data for mixture

Not available

Substances

Not classified

Additional information

Not available

SECTION 12: Ecological information

12.1. Toxicity

Not classified.

12.2. Persistence and degradability

No additional information available.

12.3. Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

No additional information available.

12.6. Other adverse effects

No additional information available.

12.7. Additional ecotoxicological information

Not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations	:	Do not dispose of waste into sewer.
Product/package disposal recommendations	:	Incinerate. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to licensed waste disposal facility.
Ecology – waste materials	:	Avoid release to the environment.

13.2. Additional information

Not available

SECTION 14: Transport information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
14.1. UN number	NA*	NA*	NA*	NA*
14.2. UN proper shipping name	NA*	NA*	NA*	NA*
14.3. Transport hazard class(es)	NA*	NA*	NA*	NA*
Class or Division	NA*	NA*	NA*	NA*
Hazard label(s)	NA*	NA*	NA*	NA*
14.4. Packing group	NA*	NA*	NA*	NA*

*NA for Not applicable

SECTION 15: Regulatory information

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

15.1.1 EU-Regulations

No REACH Annex XVII restrictions.

Not listed on the REACH Candidate List.

Not listed on the REACH Annex XIV List.

Not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

15.1.2 National regulations

Germany

Regulatory reference : Not classified to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)

Hazardous Incident Ordinance (12.BlmSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance).

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed. to Waters (AwSV)

SZW-lijst van mutagene stoffen : The substance is not listed.

NIET-limitatieve lijst van voor de voortplanting giftige Stiffen - Borstvoeding : The substance is not listed.

NIET-limitatieve lijst van voor de voortplanting giftige Stiffen - Vruchtbaarheid : The substance is not listed.

NIET-limitatieve lijst van voor de voortplanting giftige Stiffen - Ontwikkeling : The substance is not listed.

Denmark

Class for fire hazard : Class III-1. to Waters (AwSV)

Store unit : 50 liters.

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

15.2. Chemical Safety Assessment

For this mixture a chemical safety assessment is not required. No Chemical Safety Assessment has been carried out for this mixture by the supplier. For this mixture a chemical safety assessment has been elaborated. For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

15.3. Additional information

Not available

SECTION 16: Other information

Creation date: 20/05/2022
Version date: 20/05/2022

16.1. Indication of changes

Not applicable (first edition of the MSDS).

16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. DPD Dangerous Preparation Directive. UN number: United Nations number. No EC: European Commission Number. ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail. CLP: Classification, labeling and packaging. VPvB: very persistent and very bioaccumulative substances.

16.3. Key literature references and sources for data

No data available.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phases (Number and full text)

H226 Flammable liquid and vapor

H227 Combustible liquid

H302 Harmful if swallowed

16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

Emergency phone number:

 Austria	13 11 26	 Latvia	+371 67042743
 Belgium	+32 (0)70 245 245	 Liechtenstein	112
 Bulgaria	+359 2 9154 409	 Lithuania	+370 8-5 236 20 52
 Croatia	+385 1 2348 342	 Luxembourg	8002-5500
 Cyprus	112	 Malta	112
 Czech Republic	+420 224 919 293 +420 224 915 402	 Netherlands	112 +32 (0)70 245 245
 Denmark	82 12 12 12	 Norway	22 59 13 00
 Estonia	16 662 +372 7943 794	 Poland	112
 Finland	09 471 977	 Portugal	808250143
 France	+33 (0)1 45 42 59 59	 Romania	112
 Germany	112 +32 (0)70 245 245	 Slovakia	+421 2 5477 4166
 Greece	+30 210 77 93 777	 Slovenia	112
 Hungary	+36 80 201 199	 Spain	+34 91 562 04 20
 Iceland	112 +543 2222 +543 1000	 Switzerland	145
 Ireland	+353 (0)1 809 2166	 Sweden	112 (begär Giftinformation)
 Italy	+35 (0)2 6610 1029	 United Kingdom	111

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it does not guarantee all the product properties particularly in the case of non-identified uses. The product must not be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.