



# STILLA® Ruby Chip

## Safety Data Sheet (US version)

OSHA Hazard Communication Standard (29 CFR 1910.1200)

Version:1

Version date: 24/08/2022

Language:EN

### 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](mailto:info@stilla.fr)

#### 1.4. Emergency Telephone Number

CHEMTREC Emergency : 1-800-424-9300 (USA); +1 703-527-3887 (International)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Flammable liquids Category 4 H227 Combustible liquid

Full text of H statements : see section 16.4.

#### 2.2. Label elements

##### GHS US labeling

Signal word (GHS US) : Warning

Hazard statements (GHS US) : H227 - Combustible liquid

Precautionary statements (GHS US) : P280 - Wear protective gloves/protective clothing/eye protection/face protection. P210 - Keep away from heat, open flames, sparks. - No smoking. P370+P378 - In case of fire: Use water spray, foam, carbon dioxide, dry chemical to extinguish. P403+P235 - Keep in a cool place. P501 - Dispose of contents/container to licensed waste disposal facility.

#### 2.3. Other hazards

Not 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 16.4

## 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, lifting lower and upper eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Consult a physician.
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	:	May be 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

No information available

## 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 personal protection equipment, including self-contained breathing apparatus and full firefighting turnout gear. 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

For containment	:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	:	Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal. Use only non-sparking tools.

### 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

Additional hazards when processed	:	Keep away from heat, open flames, sparks. - No smoking.
Precautions for safe handling	:	Avoid all eye and skin contact and do not breathe vapor and mist. Ground/bond container and

receiving equipment. Use only in well ventilated areas. Use only non-sparking tools.  
 Hygiene measures : Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 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.

#### Advice on joint storage

Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 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- repeated exposure

Data for mixture

Not available

Substances

Not available

### 11.8. STOT single exposure

Data for mixture

Not available

Substances

Not classified

11.9. Carcinogenicity

Data for mixture

Not available

Substances

Not classified

11.10. Reproductive and Developmental Toxicity

Data for mixture

Not available

Substances

Not classified

11.11. Genotoxicity

Data for mixture

Not available

Substances

Not classified

11.12. In vitro genotoxicity

Data for mixture

Not available

Substances

Not classified

11.13. 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**

14.1. UN Number

DOT NA no. : NA1993

#### 14.2. UN proper shipping name

Transport document description : NA1993 Combustible liquid, 3, III  
Proper Shipping Name (DOT) : Combustible liquid  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Packing group (DOT) : III - Minor Danger  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203  
DOT Packaging Bulk (49 CFR 173.xxx) : 241  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Symbols : D - Proper shipping name for domestic use only, or to and from Canada, G – Identifies PSN requiring a technical name

#### 14.3. Additional information

Other information : This product is Combustible as defined by the US Department of Transportation (DOT). It is regulated for transport in the US in container > 119 gallons (450 liters). The product is not regulated for transport by the IATA, ADR/RID, ADNR or the IMDG regulations.

#### Transport by sea

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

#### Air transport

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

### SECTION 15: Regulatory information

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

##### US federal and State regulations

##### TSCA

Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

##### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### 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

#### 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. VPvB: very persistent and very bioaccumulative substances.

#### 16.3. Key literature references and sources for data

No data available.

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

H226 Flammable liquid and vapor  
H227 Combustible liquid  
H302 Harmful if swallowed

#### 16.5. Training advice

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

#### 16.6. Additional information

Emergency phone number: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

**Disclaimer**

The information given in this Safety Data Sheet is based on our present knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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