

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product Name: Tocriscreen 2.0 Mini
Catalog Number: 7151

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

Identified Uses: Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

| | | | |
|----------|-----------------------|-----------------|----------------------|
| Company: | Tocris Bioscience | Telephone: | + 44 (0)117 916-3333 |
| | The Watkins Building, | Fax: | + 44 (0)117 916-3344 |
| | Atlantic Road, | Internet: | www.tocris.com |
| | Bristol, BS11 9QD, UK | E-mail address: | info@bio-techne.com |

1.4 Emergency Telephone number

Emergency Tel: + 44 (0)117 916-3333 (09.00 - 17.00 GMT)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Acute Toxicity, oral - Category 4
Acute Toxicity, dermal - Category 4
Skin Corrosion/Irritation - Category 1A
Sensitisation, skin - Category 1
Serious eye damage/eye irritation - Category 1
Acute Toxicity, inhalation - Category 4
Sensitisation, respiratory - Category 1
Specific Target Organ Toxicity, SE, respiratory tract irritation - Category 3
Germ cell mutagenicity - Category 1B
Carcinogenicity - Category 1A
Reproductive Toxicity - Category 1A
Specific Target Organ Toxicity, repeated exposure - Category 1
Acute, Aquatic Toxicity - Category 1
Chronic, Aquatic Toxicity - Category 1

2.2 Label elements

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

Pictogram(s):



Signal word: Danger

Hazard statement(s):

| | |
|------|---|
| H302 | Harmful if swallowed |
| H312 | Harmful in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H332 | Harmful if inhaled |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H335 | May cause respiratory irritation |
| H340 | May cause genetic defects |
| H350 | May cause cancer |
| H360 | May damage fertility or the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

Precautionary statement(s):

| | |
|------|---|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray |
| P264 | Wash hands thoroughly after handling |
| P273 | Avoid release to the environment |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection |

| | |
|--------------|--|
| P285 | In case of inadequate ventilation wear respiratory protection |
| P301+312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell |
| P301+330+331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting |
| P302+352 | IF ON SKIN: Wash with soap and water |
| P303+361+353 | IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower |
| P304+340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P305+351+338 | IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing |
| P308+313 | If exposed or concerned: Get medical advice/attention |
| P314 | Get medical advice/attention if you feel unwell |
| P333+313 | If skin irritation or a rash occurs: Get medical advice/attention |

2.3 Other hazards - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients according to Regulation (EC) No 1272/2008

There are no components that need to be disclosed according to applicable regulations.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a doctor and show this safety data sheet.

If inhaled

Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.

In case of skin contact

Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor.

In case of eye contact

Flush with copious amounts of water for at least 15 minutes. Consult a doctor.

If swallowed

Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Indication of immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

In combustion, may emit toxic fumes.

5.3 Precautions for fire-fighters

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

6. ACCIDENTIAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover spillage with suitable absorbent material. Sweep up material and place in an appropriate container. Hold all material for appropriate disposal as described under section 13 of SDS.

6.4 Reference to other sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Use in a chemical fume hood, with air supplied by an independent system. Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

7.2 Conditions for safe storage, including any incompatibilities.

Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use. Recommended storage temperature: Store at -20°C

7.3 Specific end uses

Use in a laboratory fume hood where possible. Refer to employer's COSHH risk assessment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

Personal protective equipment

Eye/face protection

Use appropriate safety glasses.

Skin protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Body protection

Wear appropriate protective clothing.

Respiratory protection

If risk assessment indicates necessary, use a suitable respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | | | |
|--|-------------------|---------------------------|-------------------|
| Appearance | No data available | Vapor pressure | No data available |
| Odor | No data available | Vapor density | No data available |
| Odor threshold | No data available | Relative density | No data available |
| pH | No data available | Solubility(ies) | No data available |
| Melting / freezing point | No data available | Partition coefficient | No data available |
| Boiling point / range | No data available | Auto-ignition temperature | No data available |
| Flash point | No data available | Decomposition temperature | No data available |
| Evaporation rate | No data available | Viscosity | No data available |
| Flammability (solid, gas) | No data available | Explosive properties | No data available |
| Upper / lower flammability or explosive limits | No data available | Oxidising properties | No data available |

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under recommended transport or storage conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Heat, moisture.

10.5 Incompatible materials

Strong acids/alkalis, strong oxidising/reducing agents.

10.6 Hazardous decomposition products

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute Toxicity

No data available

Skin corrosion/irritation

Classified based on available data

Serious eye damage/irritation

Classified based on available data

Respiratory or skin sensitization

Classified based on available data

Germ cell mutagenicity

Classified based on available data

Carcinogenicity

Classified based on available data

Reproductive toxicity

Classified based on available data

Specific target organ toxicity - single exposure

Classified based on available data

Specific target organ toxicity - repeated exposure

Classified based on available data

Aspiration hazard

Classified based on available data

Symptoms / Routes of exposure

Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing. Breathing may stop. There may be vomiting.

Ingestion: Corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

Skin: Blistering may occur. Progressive ulceration will occur if treatment is not immediate. Severe burns may occur.

Eyes: Corneal burns may occur. May cause permanent damage. The vision may become blurred. The eyes may water profusely.

Delayed / Immediate Effects: Immediate effects can be expected after short-term exposure.

Additional Information

RTECS No: Not available

Exposure may cause irritation of eyes, mucous membranes, upper respiratory tract and skin.

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with National legislation.

Contaminated packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with National legislation.

14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

This product is not classified as environmentally hazardous according to the UN Model Regulations, nor a marine pollutant according to the IMDG Code.

14.6 Special precautions for users

No data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

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

California Proposition 65



WARNING: This product can expose you to the following chemicals, which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov/product

| Catalog Number | Product Name | Date Listed |
|----------------|---------------------------|-------------|
| 1226 | Etoposide | 04/11/2011 |
| 2252 | Doxorubicin hydrochloride | 01/07/1987 |
| 3308 | Zileuton | 22/12/2000 |
| 3842 | 5-Azacytidine | 01/01/1992 |
| 6285 | Megestrol Acetate | 28/03/2014 |
| 6342 | Tamoxifen | 01/09/1996 |



WARNING: This product can expose you to the following chemicals, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product

| Catalog Number | Product Name | Date Listed |
|----------------|----------------------------|-------------|
| 0685 | Diltiazem hydrochloride | 27/02/2001 |
| 0937 | Pimozide | 20/08/1999 |
| 0999 | Tamoxifen citrate | 01/07/1990 |
| 1097 | Taxol | 26/08/1997 |
| 2815 | Valproic acid, sodium salt | 01/07/1987 |
| 1530 | Lovastatin | 01/10/1992 |
| 2318 | Pravastatin sodium salt | 03/03/2000 |
| 3620 | Topiramate | 27/11/2015 |
| 4092 | Aspirin | 01/07/1990 |
| 6520 | Abiraterone acetate | 08/04/2016 |
| 6742 | Acetazolamide | 20/08/1999 |

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

16. OTHER INFORMATION

SDS Revision Details

V2.1 Collection revised, H codes updated

May 13th 2022

Further Information

Copyright © 2023 Tocris Bioscience. This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be

all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet