

SAFETY DATA SHEET

according to Regulation (EC) No. 453/2010

Dental Use



Date Issued : 07/26/2012

SDS No : 315-001.2

Date Revised : 06/23/2015

Revision No : 1

Chromaclone® Tray Adhesive**SECTION 1 : Identification of the substance/preparation and of the company/undertaking****1.1. Product identifier**

Product code : Catalog Part#5101
Product name : Chromaclone® Tray Adhesive
Product description : Adhesive for silicone impression material

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

Relevant identified uses : Professional Dental Adhesive for Impression Tray

1.3. Details of the supplier of the safety data sheet**Manufacturer**

Ultradent Products, Inc.
 505 W. 10200 S.
 South Jordan, UT 84095

Distributor

Ultradent Products GmbH
 Am Westhover Berg 30
 51149 Cologne Germany
 Email: infoDE@ultradent.com
Emergency Phone : +49(0)2203-35-92-0

1.4. Emergency telephone number

CHEMTREC (NORTH AMERICA) :(800) 424 - 9300
(INTERNATIONAL) :+1(703) 527 - 3887

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Directive 1999/45/EC**

: The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Danger symbols : Xn,F

R phrases : R36/37/38

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

Health : Reproductive Toxicity, Category 2
 Target Organ Toxicity (Repeated exposure), Central nervous system, Category 2
 Skin Irritation, Category 2
 Aspiration Toxicity, Category 1

Physical : Flammable Liquids, Category 3

2.2. Label elements**Classification according to Directive 1999/45/EC**



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ULTRADENT
 PRODUCTS, INC.

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Hazard pictogram(s)

: Xn F

 Harmful

 Highly flammable

R&S statement(s)

: R36/37/38: Irritating to eyes, respiratory system and skin.

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

Hazard pictogram(s)

:

 Exclamation mark

 Health hazard

 Flame

Signal Word

: DANGER

Hazard statement(s)

: H225: Highly flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H373: May cause damage to Central Nervous System through prolonged or repeated exposure.
 H361: Suspected of damaging fertility or the unborn child.

Precautionary statement(s)

Prevention

: P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

: P305: IF IN EYES:
 P351: Rinse cautiously with water for several minutes.
 P315: Get immediate medical advice/attention.
 P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P363: Wash contaminated clothing before reuse.
 P301: IF SWALLOWED:
 P331: Do NOT induce vomiting.
 P313: Get medical advice/attention.
 P304: IF INHALED:
 P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Storage

: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233: Keep container tightly closed.

Disposal

: P501: Dispose of in compliance with governmental regulation. (EC 1975L0442-20/11/2003)

2.3. Other hazards

Immediate concerns

: None

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SECTION 3: Composition / information on ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Name	CAS	EINECS No.	Wt. %	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No 1272/2008 [CLP]
Xylene	1330-20-7	215-535-7	≤ 20	Xi; R10; R20/21; R38	Acute Tox. (D), Cat. 4; Skin Irr., Cat. 2; Acute Tox. (I), Cat. 4; Flam. Liq., CAT 3; H226; H312; H315; H332
Toluene	108-88-3	203-625-9	≤ 20	F; Xn; R11; R38; R48/20; R63; R65; R67	Flam. Liq., Cat. 2; Aquatic Tox., Cat. 1; Skin Irr., Cat. 2; STOT SE, Cat. 3; STOT RE, Cat 2; H225; H304; H315; H336; H361; H373
Ethyl Benzene	100-41-4	202-849-4	< 20	F; Xn; R11; R20	Flam. Liq., Cat. 2; Acute Tox. (I), Cat. 4; H225; H332

For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Following eyes

: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Following skin

: Wash immediately with plenty of water. Remove contaminated

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clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.

- Following ingestion** : If swallowed, rinse mouth with water, Do NOT Induce Vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
- Following inhalation** : Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

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

- Eyes** : Irritating to eyes.
- Skin** : Causes skin irritation.
- Ingestion** : Harmful if swallowed.
- Inhalation** : Harmful if inhaled

4.3. Indication of any immediate medical attention and special treatment needed**SECTION 5: Fire fighting measures****5.1. Extinguishing media**

- Extinguishing media** : Please see Fire Fighting Equipment under Section 5.3.

5.2. Special hazards arising from the substance or mixture

- Explosion hazards** : Not Determined
- Fire explosion** : Not Determined
- Sensitive to static discharge** : Not Determined
- Sensitivity to impact** : Not Determined

5.3. Advice for firefighters

- Fire fighting procedures** : General: Evacuate all personnel; use protective equipment for fire-fighting. Use self-contained breathing apparatus when the product is involved in fire.
- Fire fighting equipment** : Foam, dry chemical, carbon dioxide (CO₂).

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

- General procedures** : Refer to Section 8 for Personal Protective Equipment.

6.2. Environmental precautions

- Water spill** : Do not allow to enter sewers or drains that may lead to waterways.

6.3. Methods and material for containment and cleaning up

- Small spill** : Absorb with inert, damp non-combustible material, then flush area with water.
- Large spill** : Absorb spill with an inert material (e.g. dry sand or earth), then place in a chemical waste container.

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6.4. Reference to other sections

Reference to other sections : Not Applicable

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling : Keep away from sources of ignition.

Storage : See product labeling.

7.2. Conditions for safe storage, including any incompatibilities

Shelf life : See product labeling

7.3. Specific end use(s)

Specific end use(s) : Professional Dental Adhesive for Impression Tray

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Control parameters : Not Determined

8.2. Exposure controls

Eye/face protection : Wear eye protection

Skin protection : Wear protective fluorinated rubber gloves.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Pink

Odour : Solvent

Boiling temperature : 113°C

Flash point : 27°C (21°F)

Solubility in water : Partially miscible

9.2. Other information

Percent volatile : Not Determined

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : Stable

10.2. Chemical stability

Chemical stability : Stable when stored and handled under recommended conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous : The vapours may also form explosive mixtures with the air.

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reactions

Ethylbenzene: reacts violently with strong oxidizing agents and attacks various types of plastics. Can form explosive mixtures with the air.
Toluene: risk of explosion on contact with fuming sulphuric acid, nitric acid, silver perchlorates, nitrogen dioxide, non-metal halogenides, acetic acid, organic nitrocompounds. Can form explosive mixtures with the air. May react dangerously with strong oxidizing agents, strong acids, sulphur (in the presence of heat).
Xylene is normally stable, can give violent reactions in the presence of strong acids such as sulfuric acid, nitric acid, and perchlorates. Can form explosive mixtures with air.

10.4. Conditions to avoid

Conditions to avoid : Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

10.5. Incompatible materials

Incompatible materials : Information not available

10.6. Hazardous decomposition products

Hazardous decomposition products : When heated or in the event of a fire, carbonoxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute

Notes : Contact with skin may cause irritation, erythema, edema, dryness and chapped skin. Vapour inhalation may slightly irritate the upper respiratory tract. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity : Use this product according to good working practices. Avoid litter. Avoid product down flow into sewers or waterway. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Aquatic toxicity (acute)

96-hour LC₅₀ : Not Determined
48-hour EC₅₀ : Not Determined
96-hour EC₅₀ : Not Determined

12.2. Persistence and degradability

Persistence and degradability : Not Determined

12.3. Bioaccumulative potential

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Bioaccumulative potential : Information not available

12.4. Mobility in soil

Mobility in soil : Information not available

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

12.6. Other adverse effects

Environmental data : Not Available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Disposal method : Dispose of in compliance with governmental regulation.(EC 1975L0442-20/11/2003)

SECTION 14: Transport information**14.1. UN number**

UN number : 1133

14.2. UN proper shipping name

UN proper shipping name : ADHESIVES(Containing flammable liquid)

14.3. Transport hazard class(es)

Primary hazard class/division : 3

Hazard classification : 3

14.4. Packing group

Packing group : II

14.5. Environmental hazards

Marine pollutant #1 : N/A

14.6. Special precautions for user

ADR - road : N/A

RID - rail : N/A

IMDG - sea : N/A

IATA - air : N/A

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk : N/A

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

RoHS : Please refer to EC Regulation 1907/2006

15.2. Chemical safety assessment

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Chemical safety assessment : Not Determined

SECTION 16: Other information**Relevant R-phrases and/or H-statements (number and full text)**

: R10: Flammable.
 R11: Highly flammable.
 R20/21: Harmful by inhalation and in contact with skin.
 R20: Harmful by inhalation.
 R38: Irritating to skin.
 R48/20: Harmful : danger of serious damage to health by prolonged exposure through inhalation.
 R63: Possible risk of harm to the unborn child.
 R65: Harmful: may cause lung damage if swallowed.
 R67: Vapors may cause drowsiness and dizziness.
 Acute Tox. (D), Cat. 4: Acute Toxicity (Dermal), Category 4
 Acute Tox. (I), Cat. 4: Acute Toxicity (Inhalation), Category 4
 Aquatic Tox., Cat. 1: Aquatic Toxicity, Category 1
 Flam. Liq., CAT 3: Flammable Liquids, Category 3
 Flam. Liq., Cat. 2: Flammable Liquids, Category 2
 STOT RE, Cat 2: Target Organ Toxicity (Repeated exposure), Central nervous system, Category 2
 STOT SE, Cat. 3: Target Organ Toxicity (Single exposure), Central nervous system, respiratory tract, Category 3
 Skin Irr., Cat. 2: Skin Irritation, Category 2
 H225: Highly flammable liquid and vapour.
 H226: Flammable liquid and vapour.
 H304: May be fatal if swallowed and enters airways.
 H312: Harmful in contact with skin.
 H315: Causes skin irritation.
 H332: Harmful if inhaled.
 H336: May cause drowsiness or dizziness.
 H361: Suspected of damaging fertility or the unborn child.
 H373: May cause damage to Central Nervous System through prolonged or repeated exposure.

Prepared by

: Anu Kattoju

Revision summary

: This SDS replaces the 07/26/2012 SDS. Revised: **Section 1:** GENERAL USE, PREPARED BY. **Section 2:** EMERGENCY OVERVIEW - IMMEDIATE CONCERNS. **Section 3:** Wt.%. **Section 4:** EYES, INGESTION, SIGNS AND SYMPTOMS OF OVEREXPOSURE (INGESTION, INHALATION, SKIN). **Section 5:** EXPLOSION HAZARDS, EXTINGUISHING MEDIA, FIRE EXPLOSION, SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. **Section 6:** GENERAL PROCEDURES, . **Section 7:** SHELF LIFE, STORAGE, . **Section 8:** . **Section 9:** BOILING POINT, COLOR, FLASHPOINT AND METHOD, PERCENT VOLATILE, pH, PHYSICAL STATE, SOLUBILITY IN WATER. **Section 10:** CONDITIONS TO AVOID, INCOMPATIBLE MATERIALS, STABLE, POSSIBILITY OF HAZARDOUS REACTIONS. **Section 11:** ACUTE. **Section 12:** CHEMICAL FATE

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INFORMATION, DISTRIBUTION, ENVIRONMENTAL DATA, BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE) (48-HOUR EC₅₀, 96-HOUR EC₅₀), SECTION 12: Ecological information. **Section 13:** DISPOSAL METHOD. **Section 14:** ROAD AND RAIL (UK only) (CDG) - SPECIAL PROVISIONS SECTION 14: Transport information. **Section 15:** RoHS, SECTION 15: Regulatory information. **Section 16:** Revision Summary, GENERAL STATEMENTS.

General statements

: N/A= Not Applicable

Additional SDS information

: Revision #:1

Manufacturer disclaimer

: FOR DENTAL USE ONLY: Use as directed. The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate; however, the manufacturer, makes no warranty with respect to the accuracy of the information or the suitability of the recommendation and assumes no liability to any user thereof. Each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.