

Issue Date 2015-05-31

Revision Date 2015-05-31

Revision: R0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifiers

Product Name: ULTRAflex (Liquid Component)
Alternate Name: ULTRAflex

Recommended Use of the substance or mixture and Restrictions on Use

Intended Use: See Technical Data Sheet
Application Method: See Technical Data Sheet

Details of the Supplier of the Safety Data Sheet

Company Name: Astron Dental Corporation
Supplier Address: 815 Oakwood Road, Unit G
Lake Zurich, IL. 60047 (USA)
Email: customerservice@astrondental.com

Emergency Telephone Numbers

Company Phone Number: 800-323-4144 / 847-726-8787 (During Business Hours, 8:00am – 4:00pm CST)
Emergency Telephone: **Infotrac:** 800-535-5053

2. HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Skin Irritation/corrosion 2;H315
Eye Irritation/damage 2;H319

Causes skin irritation
Causes serious eye irritation

Label Elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

Hazards Statements

H227 Combustible liquid.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary Statements – Prevention, Response, Disposal

[Prevention]
P210 Keep away from heat / sparks / open flames / hot surfaces – No smoking.
P264 Wash thoroughly after handling.
P280 Wear protective gloves / eye protection / face protection.
[Response]
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lense if present and easy to do – continue rinsing.
P338
P321 Specific treatment (see information on this label).
P332+P313 If skin irritation occurs: Get medical advice / attention.
P337+P313 If eye irritation persists: Get medical advice / attention.
P362 Take off contaminated clothing and wash before reuse.
[Storage]
P403+235 Store in a well ventilated place. Keep cool.
[Disposal]
P501 Dispose of contents / container in accordance with local / federal regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|--|----------|---|-------|
| 2-Ethoxyethyl Methacrylate CAS Number: 0002370-63-0 | 75 – 100 | Skin Irrit. 2;H315 Eye Irrit. 2;H319 | [1] |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. FIRST AID MEASURES

Description of first aid measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth. May cause nausea.

Eyes: Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion: If swallowed obtain immediate medical attention. Keep at rest. Induce vomiting. May cause nausea.

Most important symptoms and effects, both acute and delayed

Overview: No specific symptom data available. See section 2 for further details.

Eyes: Causes serious eye irritation.

Skin: May cause skin irritation.

5. FIRE-FIGHTING MEASURES

Extinguishing Media:

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Do not use: Water Jet

Special hazard arising from the substance or mixture:

Hazardous decomposition: No hazardous decomposition data available. Keep away from heat / sparks / open flames / hot surfaces – No smoking.

Advice for Fire-Fighters:

Sealed container exposed to elevated temperatures may rupture explosively due to polymerization. Vapors are heavier than air and may travel to ignition source.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Put on appropriate personal protective equipment (see section 8).

Environmental Precautions:

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Incinerate liquid in proper equipment.

Methods and Material for Containment and Cleaning up:

For high vapor concentration, evacuate area, eliminate all sources of ignition, absorb spills with inert material, transfer to a suitable container for disposal.

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| 7. HANDLING AND STORAGE |
|--------------------------------|

Precautions for Safe Handling:

Store in accordance with the National Fire Protection Associate's publication NFPA 30, Flammable and Combustible Liquids Code, 29 CFR 1910.106 applies to the handling, storage, and use flammable and combustible liquids.

See section 2 for further details. – [Prevention]:

Conditions for Safe Storage, including and incompatibilities:

Handle containers carefully to prevent damage and spillage.

Store in a cool dry area, away from heat, sparks and open flame. Keep containers sealed when not in use. Store out of direct sunlight.

Incompatible materials: Reducing and oxidizing agents. May soften paint and rubbery surfaces.

See section 2 for further details. –[Storage]:

Specific end use(s)

No data available.

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|---|
| 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION |
|---|

Control Parameters:**Exposure**

| CAS No. | Ingredient | Source | Value |
|--------------|----------------------------|----------|----------------------|
| 0002370-63-0 | 2-Ethoxyethyl Methacrylate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|----------------------------|--------|---|
| 0002370-63-0 | 2-Ethoxyethyl Methacrylate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No |

Exposure Controls**Respiratory:**

If workers are exposed to concentrations above 10ppm they must use a self contained breathing apparatus.

Eyes:

Protective safety glasses recommended.

Skin:

Wear overalls to keep skin contact to a minimum. Wear impervious, neoprene type protective gloves.

Engineering Controls:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn. An eyewash fountain should be located in areas where the product is used.

Other Work Practices:

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. – [Prevention]:

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| Appearance | Clear, pale yellow Liquid |
| Odor | Mild |
| Odor Threshold | Not Measured |
| pH | Not Measured |
| Melting Point / Freezing Point | Not Measured |
| Initial boiling point and boiling range | 92°C |
| Flash Point | 71°C |
| Evaporation Rate (Ether=1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower Flammability or Explosive Limits | Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured |
| Vapor Pressure (Pa) | 7 mm Hg at 160°C |
| Vapor Density | 1 (air=1) |
| Specific Gravity | 1.005 |
| Solubility in Water | Negligible |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-Ignition Temperature | Not Measured |
| Decomposition Temperature | Not Measured |
| Viscosity (cSt) | Not Measured |

Other Information:

No other relevant information

10. STABILITY AND REACTIVITY

Reactivity

Hazardous Polymerization may occur

Chemical stability

Stable under normal circumstances

Possibility of hazardous reactions

No data available

Conditions to avoid

Heat and/or ignition source.

Incompatible materials

Reducing and oxidizing agents. May soften paint and rubbery surfaces.

Hazardous decomposition products

No hazardous decomposition data available.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| Ingredient | Oral LD50 mg/kg | Skin LD50 Mg/kg | Inhalation Vapor LC50 Mg/L/4hr | Inhalation Dust/Mist LC50 mg/L/4hr | Inhalation Gas LC50 ppm |
|----------------------------|----------------------|----------------------|--------------------------------------|--|-------------------------------|
| 2-Ethoxyethyl Methacrylate | No data available | No data available | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|--------------------------------|
| Acute toxicity (oral) | --- | Not applicable |
| Acute toxicity (dermal) | --- | Not applicable |
| Acute toxicity (inhalation) | --- | Not applicable |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Serious eye damage/irritation | 2 | Causes serious eye irritation. |
| Respiratory sensitization | --- | Not applicable |
| Skin sensitization | --- | Not applicable |
| Germ cell mutagenicity | --- | Not applicable |
| Carcinogenicity | --- | Not applicable |
| STOT-single exposure | --- | Not applicable |
| STOT-repeated exposure | --- | Not applicable |
| Aspiration hazard | --- | Not applicable |

12. ECOLOGICAL INFORMATION

Toxicity:

No additional information provided for this product. See section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, Mg/l | 48 hr EC50 crustacea, Mg/l | ErC50 algae, Mg/l |
|---|-----------------------|----------------------------|-------------------|
| 2-Ethoxyethyl Methacrylate (0002370-63-0) | Not Available | Not Available | Not Available |

Persistence and Degradability

There is no data available on the preparation itself.

Bioaccumulative potential

Not Measured

Mobility in soil

No data available

Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Observe all federal, state and local regulations when disposing of this substance.

14. TRANSPORT INFORMATION

| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
|--------------------------------------|---|-----------------------------------|----------------------------------|
| UN Number | Not applicable | Not Regulated | Not Regulated |
| UN proper shipping | Not Regulated | Not Regulated | Not Regulated |
| Transport Hazard Class(es) | DOT Hazard Class: Not Applicable | IMDG: Not Applicable | Air Class: Not Applicable |
| Packing Group | Not Applicable | Sub class: Not applicable | Not Applicable |
| Environmental Hazards: | | | |
| IMDG | Marine Pollutant: No | | |
| Special precautions for user: | | | |
| No further information | | | |

15. REGULATORY INFORMATION

Regulatory Overview:

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA):

All components of this material are either listed or exempt from listing on the TSCA inventory.

WHMIS Classification:

B3 D2B

US EPA Tier II Hazards:

- Fire: Yes
- Sudden Release of Pressure: No
- Reactive: No
- Immediate (Acute): Yes
- Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Ethyl Methacrylate

Proposition 65 – Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 – Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 – Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 – Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

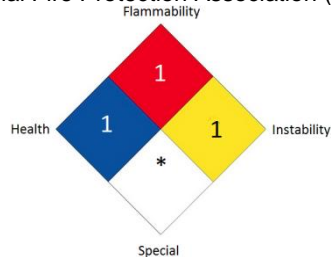
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

| | |
|----------------------------|----------|
| HEALTH | 1 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARD | 1 |
| PERSONAL PROTECTION | B |

National Fire Protection Association (NFPA)



The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customer/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.