



TruLock® Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Liquid
Product name : TruLock® Plastic Conditioner
Other means of identification :

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Plastic conditioner

1.2.2. Uses advised against

Use of the substance/mixture : For professional use only

1.3. Details of the supplier of the safety data sheet

Manufacturer/Importer/Representative/User/Distributor: RMO 2165 Earlywood Drive Franklin, IN 46131 USA SRN #: US-MF-00003482 T 1 800 525 6735 customerservice@rmortho.com https://rmortho.com/	FDA Registration: According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations FDA Registration: 1718476
Australian Sponsor: AB Orthodontics PTY LTD 13/15 Collins St Melbourne VIC 3000 Australia T +61 3 9650 2526	EC Representative: RMO Europe 300 rue Geiler de Kaysersberg 67411 Illkirch Cedex France SRN #: FR_AR_000003900 T +33 3 88 40 67 40 https://www.rmoeurope.com/

1.4. Emergency telephone number

Emergency number : Chemtrec: 800-424-9300 (domestic); 1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin irritation, Category 2	H315
Skin sensitization, Category 1	H317
Specific Target Organ Toxicity, Single Exposure; Respiratory Tract Category 3	H335
Acute Aquatic Toxicity Category 3	H402
Flammable Liquid Category 2	H225

Adverse physicochemical, human health and environmental effects

No additional information available.

TruLock® Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger, Warning

Contains

: N/A

Hazard statements (CLP)

: H225 – Highly flammable liquid and vapor
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H335 - May cause respiratory irritation
H402 – Harmful to aquatic life

Precautionary statements (CLP)

: P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: wash with plenty of soap and water.
P321 Specific treatment in Section 4 of this document.
P332+P313 IF SKIN irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container to an approved waste disposal plant.
P271 Use only outdoors or in a well-ventilated area.
P304+P340+P312 IF INHALED Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower.
P370+P378 In case of fire: Use chemical foam, carbon dioxide, or dry chemical to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P273 Avoid release to the environment.
P391 Collect spillage. Hazardous to the aquatic environment.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

TruLock[®] Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Methyl Methacrylate	CAS # 80-62-6	50-75	Flammable Liquid, Category 2, H225 Skin Irritant, Category 2, H315 Skin Sensitizer, Category 1, H317 Specific target organ toxicity – single exposure, Category 3, H335 Acute aquatic toxicity, Category 3, H402
Isobutyl Methacrylate	CAS # 97-86-9	25-50	Flammable liquid and vapor, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT (SE) Respiratory Tract 3, H335 Acute Aquatic Tox. 3, H402
N,N-Bis(2-Hydroxyethyl)-p-Toluidine	CAS # 3077-12-1	1-10	Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT (SE) Respiratory Tract 3, H335 Acute Oral Tox. 4, H302 Combustible dust

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: N/A
First-aid measure after inhalation	: Move victim to fresh air. Give artificial respirator if breathing has stopped. Seek medical attention.
First-aid measures after skin contact	: Wash skin with soap and water. If irritation persists, consult a physician.
First-aid measures after eye contact	: Immediately flush victim's eyes with large quantities of water for 15 minutes, holding the eyelids apart. Have eyes examined and tested by medical personnel.
First-aid measures after ingestion	: Rinse out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

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

Symptoms/injuries	: N/A
Symptoms/injuries after inhalation	: Inhalation is not expected for this product.
Symptoms/effects after skin contact	: Causes skin burns.
Symptoms/effects after eye contact	: Causes eye burns.
Symptoms/injuries after ingestion	: Ingestion of this material can cause mouth, throat, esophageal, and gastrointestinal tract irritation.

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

Not applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Chemical foam, carbon dioxide, or dry chemical
Unsuitable extinguishing media	: N/A

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Vapors may travel to ignition and flash back. Explosive mixtures with air may occur at room temperature. Cool fire exposed containers with water. Heat can initiate exothermic polymerization.
Explosion hazard	: Heated containers can build up pressure and explode.
Reactivity	: N/A

TruLock® Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

5.3. Advice for firefighters

- Precautionary measures fire : Firefighters should wear full emergency equipment and approved positive pressure self-containing breathing apparatus.
- Protection during firefighting : See Section 6.1.2
- Firefighting instructions : General – Evacuate all personnel; use protective equipment for firefighting. Fight advanced fires from a protected location. Use water spray to cool containers exposed to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment



Emergency procedures : Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8

6.1.2. For emergency responders

Emergency procedures

: N/A

Protective equipment



6.2. Environmental precautions

Prevent entry into sewers and waterways. Report releases as required by local, state, and national authorities. Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8.

6.3. Methods and material for containment and cleaning up

For containment

: N/A

Methods for cleaning up

: Clean up with absorbent material and remove residue with alcohol damp wipe. Rinse spill area with water.

6.4. Reference to other sections

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Wash thoroughly after handling. See product labeling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a cool-dry place. See product labeling.

Incompatible products

: N/A

7.3. Specific end use(s)

Plastic conditioner.

TruLock® Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

N/A

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Chemical safety goggles should be worn if needed to avoid eye contact.

8.2.2.2. Skin protection

Hand protection:

Wear impervious gloves such as natural rubber or neoprene if needed to avoid skin contact. Consult glove supplier for thickness and breakthrough times.

8.2.2.3. Respiratory protection

Respiratory protection:

None should be needed under normal use. Good ventilation should be sufficient.

8.2.2.4. Thermal hazards

None required.

8.2.3. Environmental exposure controls

Environmental exposure controls:

No additional information available.

Other information:

TruLock® Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: No data
Appearance	: Clear liquid
Odour	: No data
Odour threshold	: No data
Melting point	: No data
Freezing point	: No data
Boiling point	: No data
Flammability	: Flammable liquid
Lower explosion limit	: No data
Upper explosion limit	: No data
Flash point	: 15°C
Auto-ignition temperature	: No data
Decomposition temperature	: No data
pH	: No data
pH solution	: No data
Viscosity, kinematic	: No data
Solubility	: Soluble in water; Miscible with most organic solvents
Partition coefficient n-octanol/water (Log Kow)	: No data
Vapour pressure	: No data
Vapour pressure at 50°C	: No data
Density	: No data
Relative density	: 0.92 – 0.93 g/mL
Relative vapour density at 20°C	: No data
Particle size	: No data
Specific gravity	: No data

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at standard temperature and under normal conditions of use.

10.2. Chemical stability

Stable at standard temperature and pressure.

10.3. Possibility of hazardous reactions

Flammable.

10.4. Conditions to avoid

Keep away from heat, sparks, flames, and other sources of ignition.

10.5. Incompatible materials

High temperatures, visible light sources, strong oxidizing agents. Keep away from sunlight and open flames.

10.6. Hazardous decomposition products

Oxides of carbon when burned.

TruLock® Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

Methyl Methacrylate (CAS # 80-62-6)	
STOT-single exposure	Respiratory Tract 3, H335
Acute toxicity:	
LD50 Inhalation – Rat – 4h	78,000 mg/m ³
LD50 Oral – Rat	7,900 mg/kg
LD50 Dermal – Rabbit – Male	>5,000 mg/kg
Skin corrosion/irritation:	
Skin - Rabbit	Irritating to skin – 4h
Respiratory or skin sensitization:	
In vivo assay – Mouse	May cause an allergic skin reaction.
Repeated dose toxicity:	
Oral – Rat – Male NOAEL	≥124.1 mg/kg
Additional information	Central nervous system depression, drowsiness, irritability, dizziness, ataxia, narcosis, liver irregularities. The chemical, physical, and toxicological properties have not been thoroughly investigated.

Isobutyl Methacrylate (CAS # 97-86-9)	
STOT-single exposure	Respiratory Tract 3, H335
Acute toxicity:	
LC50 Inhalation – Mous	29.7 mg/L
LD50 Oral – Rat	5,000 mg/kg

N,N-Bis(2-Hydroxyethyl)-p-Toluidine (CAS # 3077-12-1)	
STOT-single exposure	Respiratory Tract 3, H335
Respiratory tract irritant.	
Acute oral toxicity 4, H302	
Although ingestion is unlikely, ingestion may cause gastrointestinal irritation, diarrhea, nausea, and vomiting.	

11.2. Information on other hazards

No additional information available

TruLock® Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not determined.
Hazardous to the aquatic environment, short-term (acute) : Acute Aquatic Tox. 3, H402: Methyl Methacrylate, Isobutyl Methacrylate
Hazardous to the aquatic environment, long-term (chronic) : Not determined.

12.2. Persistence and degradability

Not determined.

12.3. Bioaccumulative potential

Not determined.

12.4. Mobility in soil

Not determined.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Endocrine disrupting properties

Not determined.

12.7. Other adverse effects

Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal product : None currently known.
Sewage disposal recommendations : Dispose in accordance with all national and local regulations.
Ecology - waste materials : Dispose in accordance with all national and local regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / AND / RID

14.1. UN number or ID number

UN1993

14.2. UN proper shipping name

Flammable Liquids, N.O.S.

14.3. Transport hazard class(es)

3 (Flammable)

14.4. Packing group

II

14.5. Environmental hazards

Dangerous for the environment : Harmful to aquatic life
Marine pollutant : N/A
Other information : N/A

TruLock® Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

14.6. Special precautions for user

Overland transport

Not applicable.

Transport by sea

Not applicable.

Air transport

Not applicable.

Inland waterway transport

Not applicable.

Rail transport

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Methyl Methacrylate is listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

N,N-Bis(2-Hydroxyethyl)-p-Toluidine

United States Toxic Substances Control Act Section 8(b) Inventory : Listed

SARA 311/312 : Acute health hazard, reactive hazard

U.S. State Right-to-Know Regulations : Pennsylvania, New Jersey

Isobutyl Methacrylate

CAS # 97-86-9

TSCA : Listed or exempted

SARA 311/312 : Fire hazard, acute health hazard

U.S. State Right-to-Know Regulations : Pennsylvania, New Jersey

Methyl Methacrylate

CAS # 80-62-6

SARA 313 Components : Methyl Methacrylate

SARA 311/312 : Fire hazard, acute health hazard, chronic health hazard

TruLock[®] Plastic Conditioner

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

U.S. State Right-to-Know Regulations

: Massachusetts, Pennsylvania, New Jersey

15.2. Chemical safety assessment

None required.

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
All sections	Supersedes: MSDS-062 Rev001	Date updated: 6/11/2019 Change Control Document #: DCN 6716 Revision Summary: June 11th, 2019: Converted MSDS to Reach SDS.	Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.

Full text of H- and EUH-statements:

H225	Flammable Liquid Category 2
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H402	Harmful to aquatic life

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.