



# TruLock® Metal 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® Metal 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 : Metal 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

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

#### 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<sup>®</sup> Metal 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)

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

Precautionary statements (CLP)

: 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.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse SKIN with water/shower.  
P304+P340+P312 IF INHALED Remove person to fresh air and keep comfortable for breathing.  
P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.  
P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container to an approved waste disposal plant.  
P302+P352 IF ON SKIN: wash with plenty of 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.  
P363 Wash contaminated clothing before reuse.  
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.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

# TruLock<sup>®</sup> Metal 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]
Mono-2-(Methacryloyloxy)ethyl phthalate	CAS # 27697-00-3	1-10	Serious eye damage, Category 1, H318 Skin irritation, Category 2, H315 Specific target organ toxicity – single exposure, Category 3, H335
Methyl Methacrylate	CAS # 80-62-6	75-100	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

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 of vapor or mist can cause irritation of the nose and throat. Repeated exposure can cause headache, nausea, drowsiness, and unconsciousness. Eye contact may cause irritation and burning. Skin contact can cause moderate irritation while repeated exposure can cause allergic reaction.
Symptoms/effects after skin contact	: N/A
Symptoms/effects after eye contact	: N/A
Symptoms/injuries after ingestion	: N/A

### 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	: Foam, carbon dioxide, dry chemicals, water spray.
Unsuitable extinguishing media	: N/A

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: Uncontrolled polymerization may produce a rapid release of energy with the potential for an explosion of unvented closed containers. Vapors are heavier than air and may travel to sources of ignition.
Explosion hazard	: N/A
Reactivity	: N/A

### 5.3. Advice for firefighters

Precautionary measures fire	: Firefighters should wear full emergency equipment and approved positive pressure self-containing breathing apparatus.
-----------------------------	---

# TruLock<sup>®</sup> Metal Conditioner

## Safety Data Sheet

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

Protection during firefighting	: N/A
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	: Avoid contact with skin, eyes or clothing. Wear appropriate protective clothing as described in Section 8.
----------------------	--



Emergency procedures	: N/A
----------------------	-------

#### 6.1.2. For emergency responders

Emergency procedures	: 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.
Protective equipment	: Firefighters should wear full emergency equipment and approved positive pressure self-containing breathing apparatus.

### 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)

Metal conditioner.

# TruLock<sup>®</sup> Metal 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<sup>®</sup> Metal 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	: 9°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 – 0.95 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

Highly flammable liquid and vapor.

#### 10.2. Chemical stability

Stable at standard temperature and pressure.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

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

#### 10.5. Incompatible materials

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

#### 10.6. Hazardous decomposition products

Oxides of carbon when burned.

# TruLock<sup>®</sup> Metal 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

#### Mono-2-(Methacryloyloxy)ethyl phthalate (CAS # 27697-00-3)

STOT-single exposure	Respiratory Tract 3, H335
LD50 Inhalation – Rat – 4h	>12.2 mg/L
LD50 Oral – Rat	>2,000 mg/kg
LD50 Dermal - Rabbit	>10,000 mg/kg

#### Methyl Methacrylate (CAS # 80-62-6)

STOT-single exposure	Respiratory Tract 3, H335
LD50 Inhalation – Rat – 4h	78,000 mg/m <sup>3</sup>
LD50 Oral – Rat	7,900 mg/kg
LD50 Dermal – Rabbit – Male	>5,000 mg/kg

STOT-repeated exposure : Not classified

#### 11.2. Information on other hazards

No additional information available

### 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: Static test LC50 – Lepomis macrochirus – 283mg/L – 96h Flow through test EC50 – Daphnia magna – 69mg/L – 48h Static test EC50 – Pseuokirchneriella subcapitata - >110mg/L – 72h
Hazardous to the aquatic environment, long-term (chronic)	: Not determined.

#### 12.2. Persistence and degradability

##### Methyl Methacrylate

Biodegradability	Aerobic – exposure time 14d; Result: 94% - readily biodegradable (OECD Test Guideline 301C)
------------------	---

#### 12.3. Bioaccumulative potential

Not determined.

# TruLock<sup>®</sup> Metal Conditioner

## Safety Data Sheet

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

### 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

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

## 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

### 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.



# TruLock<sup>®</sup> Metal Conditioner

## Safety Data Sheet

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

### 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)

Contains no substance(s) 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

No additional information available.

### 15.2. Chemical safety assessment

None required.

## SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
All sections	Supersedes: MSDS-025 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:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H335	Specific Target Organ Toxicity, Single Exposure; Respiratory Tract Category 3
H402	Acute Aquatic Toxicity Category 3

# TruLock® Metal Conditioner

## Safety Data Sheet

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

### Full text of H- and EUH-statements:

H225	Flammable Liquid Category 2
H318	Serious Eye Damage Category 1

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.