

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015


Reviewed on 05/04/2015

1 Identification

- **Product identifier**
- **Trade name:** Therm Tray 1
- **Article number:** No other identifiers
- **Recommended use and restriction on use**
- **Recommended use:** Dental impression material
- **Restrictions on use:** No further relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
 Advantage Dental Products, Inc.
 P.O. Box 415
 Lake Orion, MI 48361
 (800) 388-6319
- **Emergency telephone number:**
 ChemTel Inc.
 (800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**
 The product is not classified as hazardous according to the Globally Harmonized System (GHS).
- **Additional information:**
 Adverse health effects are not reasonably expected from normal use of product.
 There are no other hazards not otherwise classified that have been identified.
 0 percent of the mixture consists of ingredient(s) of unknown toxicity.

- **Label elements**
- **GHS label elements**
 The product is not classified as hazardous according to OSHA GHS regulations within the United States.
- **Hazard pictograms** Not Regulated
- **Signal word** Not Regulated
- **Hazard-determining components of labeling:** None.
- **Hazard statements** Not Regulated
- **Precautionary statements** Not Regulated
- **Hazard description:**
- **WHMIS-symbols:** Not hazardous under WHMIS.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**

 Health = 0
 Fire = 0
 Reactivity = 0
- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	0	Reactivity = 0

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

Trade name: Therm Tray 1

(Contd. of page 1)

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

24980-41-4	2-Oxepanone, homopolymer	⚠ STOT SE 3, H335	>50%
14807-96-6	Talc (Mg ₃ H ₂ (SiO ₃) ₄)	☠ Carc. 2, H351	<50%
1333-86-4	Carbon black	☠ Carc. 2, H351	<5%

- **Additional information:**

Non-classification as a carcinogen is based on non-respirable form of product.
For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**
Unlikely route of exposure.
Respiration of particulates is unlikely during normal usage.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Remove contact lenses if worn, if possible.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
Gastric or intestinal disorders when ingested.
- **Danger** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

Trade name: Therm Tray 1

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information** No further relevant information available.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
No special measures required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose contaminated material as waste according to item 13.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Use only in well ventilated areas.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry place.
Provide ventilation for receptacles.
Protect from humidity and water.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with acids.
Do not store together with alkalis (caustic solutions).
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

Trade name: Therm Tray 1

(Contd. of page 3)

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

14807-96-6 Talc ($\text{Mg}_3\text{H}_2(\text{SiO}_3)_4$)

PEL (USA)	Long-term value: 20 mppcf ppm (containing <1% Quartz)
REL (USA)	Long-term value: 2* mg/m ³ *respirable dust
TLV (USA)	Long-term value: 2* mg/m ³ *as respirable fraction; E
EL (Canada)	Long-term value: 2 mg/m ³ respirable
EV (Canada)	Long-term value: 2* mg/m ³ , 2 f/cc ppm *respirable
LMPE (Mexico)	Long-term value: 2* mg/m ³ A4, *fracción respirable

carbon black

PEL (USA)	Long-term value: 3.5 mg/m ³
REL (USA)	Long-term value: 3.5* mg/m ³ *0.1 in presence of PAHs; See Pocket Guide Apps.A+C
TLV (USA)	Long-term value: 3* mg/m ³ *inhalable fraction
EL (Canada)	Long-term value: 3 mg/m ³ IARC 2B
EV (Canada)	Long-term value: 3.5 mg/m ³
LMPE (Mexico)	Long-term value: 3* mg/m ³ A3, *fracción inhalable

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:** No further relevant information available.

· **Engineering controls:** No further relevant information available.

· **Breathing equipment:** Not required under normal conditions of use.

· **Protection of hands:**

Not required under normal conditions of use.

Wear protective gloves to handle contents of damaged or leaking units.

· **Eye protection:**



Safety glasses

· **Body protection:** Not required.

· **Limitation and supervision of exposure into the environment** Avoid release to the environment.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

Trade name: Therm Tray 1

· Risk management measures See Section 7 for additional information.

(Contd. of page 4)

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Like plastic
Color:	Various colors
Odor:	Odorless
Odor threshold:	Not determined.

pH-value:	Not applicable.
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· Change in condition

Melting point/Melting range:	Undetermined.
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Boiling point/Boiling range:	Undetermined.
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Flash point:	Not applicable.
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Flammability (solid, gaseous):	Product is not flammable.
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Auto-ignition temperature:	Not determined.
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Decomposition temperature:	Not determined.
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Auto igniting:	Not determined.
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Danger of explosion:	Product does not present an explosion hazard.
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· Explosion limits:

Lower:	Not determined.
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Upper:	Not determined.
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Vapor pressure:	Not applicable.
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Density at 20 °C (68 °F):	1.1 g/cm ³ (9.18 lbs/gal)
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Relative density	Not determined.
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Vapour density	Not applicable.
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Evaporation rate	Not applicable.
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· Solubility in / Miscibility with

Water:	Insoluble.
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Partition coefficient (n-octanol/water):	Not determined.
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· Viscosity:

Dynamic:	Not applicable.
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Kinematic:	Not applicable.
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Other information	No further relevant information available.
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(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

Trade name: Therm Tray 1

(Contd. of page 5)

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Reacts with acids, alkalis and oxidizing agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11 Toxicological information

- **Information on toxicological effects**
 - **Acute toxicity:**
 - **LD/LC50 values that are relevant for classification:** None.
 - **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** No irritating effect.
 - **Sensitization:** No sensitizing effects known.
 - **Additional toxicological information:**
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
The substance is not subject to classification.
 - **Carcinogenic categories**
- | |
|--|
| · NTP (National Toxicology Program) |
| None of the ingredients is listed. |
- | |
|--|
| · OSHA-Ca (Occupational Safety & Health Administration) |
| None of the ingredients is listed. |
- **Probable Routes of Exposure**
Ingestion.
Eye contact.
Skin contact.
 - **Acute effects (acute toxicity, irritation and corrosivity):** None.
 - **Repeated Dose Toxicity:** No further relevant information available.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** Based on previous experience, this product is inert and non-degradable.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

Trade name: Therm Tray 1

(Contd. of page 6)

- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Smaller quantities can be disposed of with household waste.
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|-----------------|
| · UN-Number | |
| · DOT, ADR, ADN, IMDG, IATA | Not Regulated |
| · UN proper shipping name | |
| · DOT, ADR, ADN, IMDG, IATA | Not Regulated |
| · Transport hazard class(es) | |
| · DOT, ADR, ADN, IMDG, IATA | |
| · Class | Not Regulated |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | Not Regulated |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

Trade name: Therm Tray 1

(Contd. of page 7)

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

Reference to talc not applicable to product, as product contains no asbestiform fibers.

Reference to Carbon Black is based on unbound respirable particles and is not generally applicable to product as supplied.

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

1333-86-4 Carbon black

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

9003-07-0 polypropylene glycol diglycidyl ether

3

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

2B

1333-86-4 Carbon black

2B

· **TLV (Threshold Limit Value established by ACGIH)**

14807-96-6 Talc (Mg₃H₂(SiO₃)₄)

A4

1333-86-4 Carbon black

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

1333-86-4 Carbon black

· **State Right to Know Listings**

None of the ingredients is listed.

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

1333-86-4 Carbon black

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 05/04/2015

Reviewed on 05/04/2015

Trade name: Therm Tray 1

(Contd. of page 8)

· Other regulations, limitations and prohibitive regulations

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Date of preparation / last revision** 05/04/2015 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Carc. 2: Carcinogenicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· Sources

SDS Prepared by:

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