

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

073670460

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073670452 073670478

## MEGA TRAYS MSDS

### MATERIAL SAFETY DATA SHEET

Custom Tray Material Revision Date: November 2011  
Base Plate Material

Company Name - SELECT DENTAL MFG. CO., INC  
Company address - 88-90 Allen Blvd.  
Farmingdale, NY 11735  
631-694-3199 phone  
631-694-5063 fax

Emergency Number  
866-833-7790

### SECTION I - IDENTIFICATION OF THE SUBSTANCE PREPARATION AND OF THE COMPANY

Information on the product:

Trade name  
Megatray

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients

Composition of different acrylates, vaseline, glass pearls, starter for polymerization and admixtures

### SECTION III - HAZARDS IDENTIFICATION

Special hazards information for human and environment not applicable

### SECTION IV - FIRST AID MEASURES

General information - No special measures necessary

After inhalation - Not required because of boiling about 480oF

After contact with skin - If megatray is modelled onto the plaster model wash hands with water and soap.

After contact with eyes - Rinse thoroughly with plenty of water, seek medical advice if irritation.

After ingestion - Cause vomiting and seek medical advice

### SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal precautions: Use only in well ventilated areas.

Environmental precautions: Do not empty into drains.

Methods of cleaning up: Take up mechanically.

### SECTION VII - HANDLING AND STORAGE

Handling:

Technical measures: Keep container tightly closed.

Safe handling advice: Wear suitable gloves. Avoid contact with eyes.

Storage:

Technical measures: Keep container in a well - ventilated place.

Storage conditions: Keep container tightly closed. Keep in a dark, cool place.

Recommended packaging material: Container of solvent-stable plastics.

### SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures:

Use only in well-ventilated areas.

Personal protective equipment:  
Respiratory protection: Do not breathe vapor.  
Hand and skin protection: Rubber gloves  
Eye protection: Goggles  
Hygiene measures: When using do not eat or drink.

#### SECTION IX - STABILITY AND REACTIVITY

Thermal decomposition: at ca.200 C No decomposition, if handled according to directions.

Hazardous reactions: None, if handled and stored according to directions.

Conditions to avoid: Heat, light.

Materials to avoid: Free radicals, reducing agents, and heavy metal

Cures on exposure to visible or UV-light.

#### SECTION X - TOXICOLOGICAL INFORMATION

Acute oral toxicity: LD50 (Rate)> 5000 mg/kg

Irritation of skin: Irritating on prolonged exposure

Irritation of eye: Irritating on prolonged exposure

Specific effects: Allergic reactions to meth/acrylates are possible.

#### SECTION XI - ECOLOGICAL INFORMATION

Do not discharge into drains or the environment

Persistence and degradability: No data available for the preparation

#### SECTION XII - DISPOSAL CONSIDERATIONS

Waste from residues: Use proper landfill disposal or incineration in accordance with local, stat and federal regulations

#### SECTION XIII - TRANSPORT INFORMATION

Additional Information: Not dangerous cargo

#### SECTION XIV - REGULATORY INFORMATION

Labeling according to international regulations: Xi, Irritant, Contains meth/acrylic ester

Symbols of danger: St. Andrew's cross

R-phrases: 36/37/38

Irritating to eyes, respiratory system and skin

S-phrases: 26 - 28

In case of contact with eyes, rinse immediately with plenty of water and and seek medical advice.

After contact with skin, wash immediately with plenty of water and soap.

#### SECTION XV - OTHER INFORMATION


None

The data given here is based on current knowledge and experience. The data does not signify any warranty with regard to the product's properties.

# Safety Data Sheet

Print date 1/30/2017

Section 1 PRODUCT IDENTIFICATION	
Product Name	Mega Tray
Recommended Use	Light cure material for the fabrication of custom trays
Synonyms/Trade Names	Custom Tray Base Plate Material
Restrictions on Use	None known
Manufacturer	Select Dental MFG , 88 Allen Blvd Farmingdale, NY 11735 USA
Emergency Number	1-888-833-7790

Section 2 HAZARD IDENTIFICATION	
Classification of the substance or mixture	Indications of danger: Xi – Irritant R phrases: Irritating to eyes, respiratory system and skin.
GHS Classification	GHS07
Hazard Statement	H317 - May cause an allergic skin reaction.
Label Elements	Signal word: Warning   Pictograms:

Section 3 COMPOSITION/INFORMATION ON INGREDIENTS	
Chemical Characterization	Composition of different acrylates, vaseline, glass pearls, starter for polymerization and admixtures.
Hazardous Components	

EC No.	Chemical Name	Quantity
CAS No.	Classification	
Index No.	GHS Classification	
	Diurethane dimethacrylate	10 - < 15%
71549-84-3	R43	
	Skins Sens 1: H317	
	7,7,9-(resp. 7,9,9-) Trimethyl -4,13-dioxo-3,14-dioxa-5,12-diaza-hexadecane-1,16-diodimethacrylate	10 - < 15%
72869-86-4	Skins Sens. 1, Aquatic Chronic 3: H317 H412	

Section 4 FIRST AIR MEASURES	
General Information	No Special measures necessary
After Inhalation	Not required because of 482°F boiling point
Skin Contact	After material is modelled onto the plaster model wash hand with water and soap
Eye Contact	Rinse thoroughly with plenty of water, seek medical advice if irritated
Ingestion	Cause vomiting and seek medical advice

Section 5 FIRE-FIGHTING MEASURES	
Specific Hazards	N/A
Extinguishing Media	CO2, powder, waterspray
Fire Fighting Methods	N/A
Hazardous Combustion Products	N/A

Section 6 ACCIDENTAL RELEASE MEASURES	
Personal Precautions	None
Environmental Precautions	Not required
Containment Methods	Take up mechanically, cure in light and dispose
Cleanup Methods	Take up Mechanically

Section 7 HANDLING AND STORAGE	
Handling Procedures	No special measures necessary Keep container tightly closed, wear Suitable Gloves, Avoid Contact with eyes
Protection against fire and explosion	No special measures necessary
Storage Procedures	Keep container out of light, cool space, not above 68°F
Incompatibilities	N/A
Specific end use	Light cure material for the fabrication of custom trays

Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
<b>Control Parameters</b>	
Additional advice on limit values	None
<b>Exposure Controls</b>	
Appropriate engineering controls	None
Protective and hygiene measures	Keep common hygiene for the job
Eye/Face protection	Use safety goggles when treating cured material
Hand Protection	Use common rubber safety gloves

Section 9 PHYSICAL AND CHEMICAL PROPERTIES			
Physical State	Paste	Appearance/Description	Flat wafer
Color	White/Pink/Blue	Physical Form	Solid
Odor	Slight	Odor Threshold	N/A
Boiling Point	482°F	Flash Point	302°F
Density	1,75 g/cm3	Vapor Pressure	<1 hPa
Solubility in Water	Practically insoluble		

Section 10 STABILITY AND REACTIVITY	
Reactivity	No decomposition when used as directed
Hazardous Reaction	None, slow polymerization when light curing
Hazardous Decomposition	Not when used as prescribed
Conditions to Avoid	Direct light

Section 11 TOXICOLOGICAL INFORMATION					
Information on toxicological effects					
ATEmix Tested	Dose	Species			
LD50, oral	5000mg/kg	Rat			
LD50, dermal	2000mg/kg	Rat			
<b>Acute Toxicity Level</b>					
CAS No.	Chemical name				
	Exposure routes	Method	Dose	Species	Source
71549-84-3	Diurethane dimethacrylate				
	oral	LD50	2000mg/kg	Rat	
72869-86-4	7,7,9-(resp. 7,9,9)Trimethyl-4,13-dioxo-3,14-dioxo-5,12 diaza-hexadecane-1, 16 dioldimethacrylate				
	oral	LD50	2000mg/kg	Rat	OECD 401, limit test

Section 12 ECOLOGICAL INFORMATION						
Toxicity – Do not dispose of uncured material in water						
CAS No.	Chemical Name					
	Aquatic toxicity	Method	Dose	(h) (d)	Species	Source
71549-84-3	Diurethane dimethacrylate					
	Acute fish toxicity	LC50	10,1 mg/1	96h	Brachydanio rerio	OECD 203
72869-86-4	7,7,9-(resp. 7,9,9)Trimethyl-4,13-dioxo-3,14-dioxo-5,12 diaza-hexadecane-1, 16 dioldimethacrylate					
	Acute fish toxicity	LC50	10,1 mg/1	96h	Brachydanio rerio	OECD 203

Section 13 DISPOSAL CONSIDERATIONS	
Disposal Methods	
Uncured	Special treatment as waste code 55 902 (cement and filler waste)
Waste disposal number of waste from residue/unused products	
200139	Municipal Wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions; separately collected fractions (except 15 01): plastics
Waste disposal number of unused product	
200139	Municipal Wastes (household waste and similar commercial, industrial and institutional wastes) including separately collected fractions; separately collected fractions (except 15 01): plastics

Section 14 TRANSPORT INFORMATION					
Other applicable information	No hazardous material				
US DOT Information Shipping Name	N/A	UN/NA #	N/A	Required label(s)	N/A
IMDG Information Shipping Name	N/A	UN/NA #	N/A	Required label(s)	N/A

Section 15 REGULATORY INFORMATION	
<b>U.S. Federal Regulations:</b> None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.	

<b>Section 16 OTHER INFORMATION</b>	
<b>Relevant R-phrases (Number and full text)</b>	
43	May cause sensitization by skin contact
52	Harmful to aquatic organisms
53	May cause long-term adverse effects in the aquatic environment
<b>Relevant H – and EUH phrases (Number and full text)</b>	
H317	May cause an allergic skin reaction
H412	Harmful to aquatic life with long lasting effects
Further Information	
The information described exclusive safety requirement of the product and based on the present knowledge. The do not represent assurance of properties of the product as defined by the lawful guarantee of the regulation.	

*(The date for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet)*

End of Sheet