

Safety Data Sheet

Tray Adhesive

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1. Identification

Product identifier used on the label

Tray Adhesive

Recommended use of the chemical and restriction on use

Recommended use*: for professional dental use only

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

Henry Schein, Inc.
135 Duryea Road
Melville, NY 11747

Telephone: +1 (800) 424-9300
www.henryschein.com

Emergency telephone number

CHEMTREC (USA): 1-800-424-9300
CHEMTREC (Outside USA): 1-703-527-3387

Other means of identification

Synonyms: Polyamide Resin Solution

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Asp. Tox.	1	Aspiration hazard
Flam. Liq.	3	Flammable liquids
Skin Corr./Irrit.	2	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Skin Sens.	1A	Skin sensitization
Repr.	2 (unborn child)	Reproductive toxicity
STOT SE	3 (Vapours may cause drowsiness and dizziness.)	Specific target organ toxicity — single exposure

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STOT RE	2	Specific target organ toxicity — repeated exposure
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic

Label elements

Pictogram:



Signal Word:

Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging the unborn child.
H373	May cause damage to organs (Central nervous system) through prolonged or repeated exposure.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P260	Do not breathe dust/gas/mist/vapours.
P271	Use only outdoors or in a well-ventilated area.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P201	Obtain special instructions before use.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing should not be allowed out of the workplace.
P264	Wash with plenty of water and soap thoroughly after handling.
P242	Use only non-sparking tools.
P240	Ground/bond container and receiving equipment.

Precautionary Statements (Response):

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P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
P331	Do NOT induce vomiting.
P370 + P378	In case of fire: Use carbon dioxide or dry powder for extinction.

Precautionary Statements (Storage):

P403 + P235	Store in a well-ventilated place. Keep cool.
P233	Keep container tightly closed.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents/container in accordance with local regulations.
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3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
67-63-0	>= 5.0 - < 15.0%	2-Propanol
108-88-3	>= 25.0 - < 35.0%	Toluene
Trade Secret	>= 55.0 - < 60.0%	Polyaminoamide

4. First-Aid Measures

Description of first aid measures

General advice:

If adverse health effects develop seek medical attention.

If inhaled:

Fresh air. If breathing has stopped, administer artificial respiration. If necessary, give oxygen. Immediate medical attention required.

If on skin:

After contact with skin, wash immediately with plenty of water. Remove contaminated clothing. Seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Do not rub eyes; mechanical action may cause corneal damage. Immediate medical attention required.

If swallowed:

Do not induce vomiting. If swallowed, give at least 3-4 glasses of water. If vomiting occurs naturally, keep airway clear. Obtain medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

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Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
carbon dioxide, dry powder

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
Pressure inside container is increased when heated, and may cause explosion.

Advice for fire-fighters

Further information:

If exposed to fire, keep containers cool by spraying with water.

6. Accidental release measures

Further accidental release measures:

Pack in tightly closed containers for disposal.

Personal precautions, protective equipment and emergency procedures

Wear eye/face protection. Use breathing apparatus if exposed to vapours/dust/aerosol. Wear chemical resistant protective gloves.

Environmental precautions

Do not allow to enter drains or waterways.

Methods and material for containment and cleaning up

Using recommended protective and explosion-proof equipment, pick up and containerize for recovery or disposal. Rinse with plenty of water. Place into suitable container for disposal.

7. Handling and Storage

Precautions for safe handling

Use proper grounding procedures when handling near flammable or explosive materials.

Protection against fire and explosion:

Sources of ignition should be kept well clear.

Conditions for safe storage, including any incompatibilities

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Further information on storage conditions: Keep only in the original container in a cool, well-ventilated place.

Storage stability:
Storage temperature: 10 - 30 °C
Protect from temperatures below: 10 °C
Protect from temperatures above: 30 °C

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

2-Propanol	OSHA PEL	PEL 400 ppm 980 mg/m ³ ; STEL value 500 ppm 1,225 mg/m ³ ; TWA value 400 ppm 980 mg/m ³ ;
	ACGIH TLV	TWA value 200 ppm ; STEL value 400 ppm ;
Toluene	OSHA PEL	max. conc. 500 ppm ; CLV 300 ppm ; TWA value 200 ppm ; STEL value 150 ppm 560 mg/m ³ ; TWA value 100 ppm 375 mg/m ³ ;
	ACGIH TLV	TWA value 20 ppm ;

Advice on system design:
Local exhaust ventilation preferred.

Personal protective equipment

Respiratory protection:
Wear a NIOSH-certified (or equivalent) organic vapour respirator. Not applicable with adequate ventilation.

Hand protection:
Plastic gloves, Rubber gloves

Eye protection:
Safety glasses with side-shields (frame goggles) (e.g. EN 166)

9. Physical and Chemical Properties

Form: liquid
Odour: solvent-like
Odour threshold: Not determined due to potential health hazard by inhalation.
Colour: amber
pH value: not applicable
Melting point: -90 °C
Information applies to the solvent.

Information on: Isopropanol

Information on: Toluene

boiling temperature: 55 °C
Information applies to the solvent.

Information on: Isopropanol

Information on: Toluene

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Flash point:	27 °C	(ASTM D93)
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	Not determined.	
Autoignition:	not determined	
Vapour pressure:	28 mbar	
Density:	approx. 0.900 g/cm ³ (20 °C)	
Relative density:	0.900 (20 °C)	
Vapour density:	The product is a non-volatile solid.	
Partitioning coefficient n-octanol/water (log Pow):	Study does not need to be conducted.	
Self-ignition temperature:	Keep away from heat, spark, and open flames.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	900 - 1,700 mPa.s (25 °C)	(ASTM D 1824-95)
Viscosity, kinematic:	1.000 - 1.889 cst (25 °C)	
Particle size:	No data available.	
Solubility in water:	(20 °C) partly soluble	
Solubility (quantitative):	insoluble	
Evaporation rate:	The product is a non-volatile solid.	

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:
not fire-propagating

Chemical stability

The product is chemically stable.

Possibility of hazardous reactions

None known

Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid heat.

Incompatible materials

None known during use and storage if used according to instructions.

Hazardous decomposition products

Decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

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11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry

Inhalation.
Dermal contact.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Harmful if swallowed. Causes respiratory tract irritation. Can cause central nervous system effects like dizziness, drowsiness, headache, and nausea.

Oral

Type of value: LD50
not determined

Inhalation

Type of value: LC50
not determined

Dermal

Type of value: LD50
not determined

Irritation / corrosion

Assessment of irritating effects: Causes serious eye irritation. Causes skin irritation.

Skin

Species: rabbit
Result: Irritant.

Eye

Species: rabbit
Result: Risk of serious damage to eyes.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Chronic overexposure may cause kidney, liver and reproductive disorders.

Genetic toxicity

Assessment of mutagenicity: No data available concerning mutagenic effects.

Carcinogenicity

Assessment of carcinogenicity: No data available.

Reproductive toxicity

Assessment of reproduction toxicity: No data available.

Teratogenicity

Assessment of teratogenicity: No data available.

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Other Information

No data available. The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

12. Ecological Information

Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
No data available.

Toxicity to fish
LC50 (96 h), Fish
The product has not been tested. The statement has been derived from the properties of the individual components.

Aquatic invertebrates
EC50 (48 h), daphnia
not determined

Aquatic plants
EC50 (72 h), algae
not determined

Chronic toxicity to fish
No data available.

Chronic toxicity to aquatic invertebrates
No data available.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
bacteria/EC0 (0.5 h):
The product has not been tested. The statement has been derived from the properties of the individual components.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)
Not readily biodegradable (by OECD criteria). The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

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Incinerate or dispose of in a RCRA-licensed facility. Observe national and local legal requirements. Hazardous waste number D001. This product, if disposed as shipped, meets EPA criteria of a hazardous waste as specified in 40 CFR 261 on the basis of its ignitability.

RCRA: D001

14. Transport Information

Land transport

USDOT

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION (contains TOLUENE)

Sea transport

IMDG

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Marine pollutant: NO
Proper shipping name: RESIN SOLUTION (contains TOLUENE)

Air transport

IATA/ICAO

Hazard class: 3
Packing group: III
ID number: UN 1866
Hazard label: 3
Proper shipping name: RESIN SOLUTION (contains TOLUENE)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute; Chronic; Fire; Sudden release of pressure

EPCRA 313:

<u>CAS Number</u>	<u>Chemical name</u>
67-63-0	2-Propanol
108-88-3	Toluene

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
1000 LBS	108-88-3	Toluene
100 LBS	67-63-0	2-Propanol

State regulations

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<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
PA	67-63-0	2-Propanol
	108-88-3	Toluene
MA	67-63-0	2-Propanol
	108-88-3	Toluene
NJ	67-63-0	2-Propanol
	108-88-3	Toluene

CA Prop. 65:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

NFPA Hazard codes:

Health : 2 Fire: 3 Reactivity: 0 Special:

16. Other Information

Revision date : 07/09/2014

Other information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

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.
