

DENTSPLY International
DENTSPLY PROSTHETICS

Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

Date Issued: 7 July 1997
Document Number: 152
Date Revised: 11 June 2013
Revision Number: 6

1. PRODUCT IDENTIFICATION

Trade Name (as labeled): Al-Cote® Separating Agent
Product Identifier (Part/Item Number): 652500, 652502
U.N. Number: None
U.N. Dangerous Goods Classification: None
Recommended Use: Used in the fabrication of dentures.
Restrictions on Use: For Professional Use Only
Manufacturer/Supplier Name: Dentsply Prosthetics
Manufacturer/Supplier Address: 570 West College Ave.
York, PA 17405-0872
Manufacturer/Supplier Telephone Number: 717-845-7511 (Product Information)
Emergency Contact Telephone Number: 800-424-9300 Chemtrec
Email address: Prosthetics_MSDS@Dentsply.com

2. HAZARD(S) IDENTIFICATION

EU Classification (1999/45/EC): Not classified as hazardous

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

Labeling in accordance with 1999/45/EC: None required.

US Hazard Classification: Not Classified

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Components	C.A.S. #	EINECS #	Substance Classification	WT %
Water	7732-18-5	231-791-2	Not Applicable	95-100
Non-Hazardous Ingredients	Proprietary	Proprietary	Not Applicable	1-5





The exact concentration is being withheld as a trade secret.

Refer to Section 16 for the full text of the GHS and H phrases and EU Classifications and R Phrases.

4. FIRST-AID MEASURES

Routes of Exposure	First Aid Instructions
Eye	Flush victim's eyes with large quantities of water, while holding the eyelids apart.
Skin	Wash skin with soap and water.
Inhalation	If inhaled, remove to fresh air.
Ingestion	If swallowed, wash mouth out with water.
Most important symptoms of exposure	May cause slight skin and eye irritation. Ingestion may cause gastrointestinal irritation.
Note to Physicians (Treatment, Testing, and Monitoring): Treat symptomatically. Immediate medical attention is not required.	



5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Use any media appropriate for the surrounding fire.		
Fire Fighting Procedures:	Cool exposed intact containers with water spray.		
Specific Hazards Arising from the Chemical:	None known.		
Precautions for Fire Fighters:	Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus.		
Recommended Protective Equipment for Fire Fighters:			
EYES/FACE	HANDS	RESPIRATORY	THERMAL
			

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE and Emergency Procedures: Avoid contact with skin, eyes, or clothing. Wear appropriate protective clothing as described in Section 8. Avoid breathing vapors or mists.
Environmental Precautions: Do not allow spills to be released into the environment. Spill and release reporting requirements vary. Consult local authorities regarding requirements.
Methods and Materials for Containment and Clean-up: Contain and absorb spills with inert material and transfer to a suitable container for disposal.

Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	HANDS	RESPIRATORY	SKIN
			

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with the eyes, skin and clothing. Avoid breathing vapors or mists. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling.

Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area. Keep container tightly closed when not in use. Protect from physical damage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

Water	United States	None Established
	Germany	None Established
	United Kingdom	None Established
	European Union	None Established
Non-Hazardous Ingredients	United States	None Established
	Germany	None Established
	United Kingdom	None Established
	European Union	None Established

Biological Exposure Limits: None Established

Appropriate Engineering Controls: No special ventilation normally required.



Individual Protection Measures (PPE)

Specific Eye/face Protection: Safety glasses or goggles if eye contact is possible.

Specific Skin Protection: Wear rubber or nitrile gloves if needed to avoid skin contact.

Specific Respiratory Protection: None required under normal use conditions. If the product is heated and ventilation is inadequate, wear an approved respirator appropriate for the exposure conditions.

Specific Thermal Hazards: None required.

Recommended Personal Protective Equipment			
EYES/FACE	HANDS	RESPIRATORY	SKIN
			
Environmental Exposure Controls: Do not allow spills to enter sewers or waterways.			
General Hygiene Considerations and Work Practices: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.			
Protective Measures During Repair and Maintenance of Contaminated Equipment: Wear appropriate protective clothing and equipment.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pink liquid	Explosive limits:	LEL: Not applicable UEL: Not applicable
Odor:	Slight odor	Vapor pressure (mmHg):	Same as water
Odor threshold:	Not determined	Vapor density:	Same as water
pH:	Not applicable	Relative density:	1.009
Melting/freezing point:	Not determined	Solubility:	Complete
Initial boiling point and range:	100°C (212°F)	Partition coefficient: n-octanol/water:	Not applicable
Flash point:	None	Auto-ignition temperature:	None
Evaporation rate:	Same as water	Decomposition temperature:	Not available
Flammability:	Not flammable	Viscosity:	Not applicable
Explosive Properties:	Not explosive	Oxidizing Properties:	None
% Volatile by Volume:	>95%		

10. STABILITY AND REACTIVITY

Reactivity: Polymerization will not occur.

Chemical Stability: Stable under normal condition.

Possibility of Hazardous Reactions: None known.

Conditions to Avoid: Avoid high temperatures.

Incompatible materials: Oxidizing agents.

Hazardous Decomposition Products: None known.

11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eyes: Liquid can cause slight irritation (tears, blurred vision and redness).

Skin: May cause slight skin irritation.

Ingestion: May cause gastrointestinal irritation.

Inhalation: Mists may cause slight respiratory tract irritation with coughing, and shortness of breath.

Chronic Health Effects: No adverse effects expected.

Carcinogenicity: None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH or the EU Directive.

Mutagenicity: No data is currently available.

Medical Conditions Aggravated by Exposure: None known.

Acute Toxicity Data:

Non-Hazardous Ingredients: Oral rat LD50 - >5000 mg/kg

Reproductive Toxicity Data: No data is currently available.

Specific Target Organ Toxicity (STOT):

Single Exposure: No data is currently available.

Repeated Exposure: No data is currently available.

12. ECOLOGICAL INFORMATION

Toxicity:

No data is currently available. Not expected to present an environmental hazard.

Persistence and Degradability: No data is currently available.

Bio-accumulative Potential: No data is currently available.

Mobility in Soil: No data is currently available.

Other Adverse Effects: None

Results of PBT/vPvB Assessment: Not applicable.

13. DISPOSAL CONSIDERATIONS

Regulations: Dispose in accordance with all national and local regulations.

Properties (Physical/Chemical) Affecting Disposal: Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

Waste Treatment Recommendations: Dispose in accordance with national and local regulations.

14. TRANSPORT INFORMATION

UN Number:	ADR/RID: None	IMDG: None	IATA: None	DOT: None
UN proper shipping name:	ADR/RID: Not Regulated IMDG: Not Regulated IATA: Not Regulated DOT: Not Regulated			
Transport hazard class(es):	ADR/RID: None	IMDG: None	IATA: None	DOT: None
Packaging group:	ADR/RID: None	IMDG: None	IATA: None	DOT: None
Environmental hazards:	ADR/RID: No	IMDG Marine pollutant: No	IATA: No	DOT: No
Special precautions for user: Not applicable				

15. REGULATORY INFORMATION

U.S. Federal Regulations

US OSHA Hazard Classification: Not Hazardous

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

Toxic Substances Control Act (TSCA): All the components are listed on or exempted from TSCA.

Clean Water Act (CWA): This material is not regulated under the Clean Water Act.

Clean Air Act (CAA): This material is not regulated under the Clean Air Act.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Immediate Hazard:	No	Pressure Hazard:	No
Delayed Hazard:	No	Reactivity Hazard:	No
Fire Hazard:	No		

This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):

Components	C.A.S. #	WT %
None		

State Regulations

California: This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity:

Components	C.A.S. #	WT %
None		

International Regulations

Canadian Workplace Hazardous Materials Information System (WHMIS): Not a controlled product.

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL).

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

Australian Inventory of Chemical Substances: All of the components in this product are listed on the AICS for Australia.

China Inventory of Existing Chemicals and Chemical Substances: All of the components in this product are listed on the IECSC for China.

Japanese Existing and New Chemical Substances: All of the components in this product are listed on the Japanese ENCS list.

Korean Existing Chemicals List: All of the components in this product are listed on the KECL for Korea.

Philippine Inventory of Chemicals and Chemical Substances: All of the components in this product are listed on the PICCS.

16. OTHER INFORMATION

HMIS Hazard Rating:

Health – 1 Flammability – 0 Physical Hazard – 1

Full text of Classification abbreviations used in Section 2 and 3:

None

Supersedes: 19 April 2013

Revision Summary: Updated Section 9: Appearance and Section 15: International inventories.

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.