

SAFETY DATA SHEET



Date Prepared: 7.1.2015
MSDS No.: Model Sep
Revision No.: 0

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Model Sep

USE OR APPLICATION: Stone Separator

Company Information:

USA

International

Company Name: Harvest Dental Products, LLC
Street: 155 Arovista Circle, Suite B
City/ Zip: Brea, 92821
State/ Province: California
Country: USA
Telephone: 1+714-674-7400
Emergency Telephone: Infotrac: 1+800-535-5053

Harvest HPdent GmbH
Anneliese - Bilger - Platz 1
78244 Gottmadingen
BW
Germany
+49 7731 38 11 044
Infotrac INTL: 1+352-3232-3500 (Collect)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health: Eye Irritation, Category 2

Narcotic Effects, Category 3

Physical: Flammable Liquids, Category 2

SIGNAL WORD: Danger



GHS LABEL ELEMENTS

HAZARD STATEMENTS

H226: Flammable liquid and vapor.

H305: May be harmful if swallowed and enters airways

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H373: May cause damage to organs through prolonged or repeated exposure

PRECAUTIONARY STATEMENTS

P210: Keep away from heat/sparks/open flames & hot surfaces - no smoking.

P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P233: Keep container tightly closed.

P241: Use explosion-proof electrical/ventilating/lighting/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 and hands thoroughly after handling.

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact Lenses if present and possible. Continue rinsing.

P312: Call POISON CENTER or doctor/physician if you feel unwell.

SAFETY DATA SHEET



Date Prepared: 7.1.2015
MSDS No.: Model Sep
Revision No.: 0

P303+P361+P353: If on skin (or hair): Remove all contaminated clothing. Rinse skin with water/shower.
P304+P340: If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing.

STORAGE:

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

DISPOSAL:

Dispose of contents and container in accordance with all local, regional, national and International regulations.

SUPPLEMENTAL LABEL ELEMENTS:

Avoid contact with skin and clothing. Wash thoroughly after handling.

Hazards not otherwise classified:

Prolonged or repeated contact may dry skin and cause irritation.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear, colorless liquid.

IMMEDIATE CONCERNS: R/36/37/38: Irritating to eyes, respiratory system and skin.

POTENTIAL HEALTH EFFECTS

EYES: Severely irritating. If not removed promptly, will injure eye tissue, which may result in permanent damage.

SKIN: Prolonged or repeated contact may cause skin irritation.

INGESTION: Ingestion may cause headache, dizziness, fatigue and CNS depression.

INHALATION: May cause headaches and dizziness.

MEDICAL CONDITIONS AGGRAVATED: Pre-existing eye and skin disorders or lung allergies may be aggravated by exposure.

ROUTES OF ENTRY: Inhalation or direct contact with skin or eyes.

IRRITANCY: Irritating to eyes, respiratory system and skin.

SENSITIZATION: May cause allergic skin reaction.

HEALTH HAZARDS: Danger of cumulative effects.

PHYSICAL HAZARDS: Flammable liquid and vapor. Harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. Affects CNS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Under GHS-OSHA 4.11 the precise composition of this product is withheld as confidential business information (CBI). A more complete disclosure can be provided to a health, or safety professional when necessary.

SUBSTANCES or MIXTURE: Mixture

Ingredients	%	Hazard Symbols	Risk Phrases	CAS No	EINECS
Naphtha Light Aliphatic (petroleum) (*)	25-35	Xn	10-65	64742-89-8	289-220-8
Isopropyl alcohol (isopropanol)	34-45	F; Xi	11-36-67	67-63-0	200-661-7

SAFETY DATA SHEET



Date Prepared: 7.1.2015
MSDS No.: Model Sep
Revision No.: 0

(*) This substance is not considered toxic according to Directive 2008/58/EC, Annexes 1A and 1C

4. FIRST AID MEASURES

- 4.1 **Eye:** Flush with plenty of water also under eyelids for at least 15 minutes.
- 4.2 **Skin:** Wash with soap and water. If irritation occurs, consult a physician.
- 4.3 **Inhalation:** Move to fresh air, and provide oxygen if breathing is difficult. Get medical attention.
- 4.4 **Ingestion:** Do not induce vomiting. Give large amounts of water. Get medical attention.

5. FIRE FIGHTING MEASURE

- 5.1 **Suitable Extinguishing media:** Carbon dioxide, alcohol foam, dry chemicals
- 5.2 **Forbidden extinguishing Media:** Direct water flow.
- 5.3 **Special firefighting measures:** None
- 5.4 **Unusual fire and explosion hazard:** None.
- 5.5 **Special protection equipment:** Sealed overalls; self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions:** Impervious gloves, safety glasses, lab coat or apron, in case of a dangerous high concentration use a respirator with filter.
- 6.2 **Environmental Precautions:** Avoid product spillage in sewage or drainage. Limit leakage and keep away from ignition sources.
- 6.3 **Reclaiming Methods:** Avoid ignition sources. Absorb with paper towel or allow evaporation in hooded area. Flush area with water.

7. HANDLING AND STORAGE

- 7.1 **Handling precautions:** Keep away from ignition source. Keep container tightly closed.
- 7.2 **Precautions in case of fire:** Keep away from sources of ignition. No smoking.
- 7.3 **Storage conditions:** Store product at room temperature.
- 7.4 **Suggested container:** Original sealed containers provided by manufacturer.
- 7.5 **Environmental Precautions:** Do not allow product to reach sewers and rivers.
- 7.6 **Other precautions:** Use according to directions.

SAFETY DATA SHEET



Date Prepared: 7.1.2015
MSDS No.: Model Sep
Revision No.: 0

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 **Exposure Limits:** Naphtha Light Aliphatic (petroleum) 500 ppm TWA OSHA PEL
500 ppm Skin TWA, 400 ppm STEL
- 8.2 **Exposure Controls:** Use in well ventilated area.
- 8.3 **Ventilation:**
Local exhaust ventilation: Appropriate
Special ventilation: None
Mechanical ventilation: None
Other Ventilation: None
- 8.4 **Respiratory Protection:** Avoid vapor inhalation. In case of dangerous high concentration use a respirator with approved filter.
- 8.5 **Hands Protection:** Impervious gloves, nitrilic type.
- 8.6 **Eyes Protection:** Safety glasses.
- 8.7 **Skin Protection:** Handle in accordance with good personal hygiene and safety practices.
- 8.8 **Other:** None.
- 8.9 **Environmental exposure control measures:** Not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 **General information:**
Appearance: Colorless Liquid.
Odor: Petroleum odor.
- 9.2 **Information related to health, safety and environment**
pH: Not determined (N/D) **Relative density:** NA
Boiling point: 85°C **Specific gravity:** 0,83 g/ml @ 20°C
Flash Point: 7x2°C (TCC) **Solubility:** Insoluble
Flammable: Yes **Viscosity (dynamic):** < 2500 cP @ 23°C
Lower Explosivity Limit: 2,0 **Viscosity (cinematic)** > 700 mm²/s @ 23°C
Upper Explosivity Limit: 12,7 **Vapor density (air=1):** ND
Oxidation: None **Evaporation rate:** ND
Vapor Pressure: NA **Melting point:** NA
- 9.3 **Other information (according to communitarian directive 94/9/EC)**
Miscibility: Not determined. **Conducibility:** Not determined.
Solubility in Lipids: Not determined. **Gases Group:** Not determined.

10. STABILITY AND REACTIVITY

SAFETY DATA SHEET



Date Prepared: 7.1.2015
MSDS No.: Model Sep
Revision No.: 0

- 10.1 **Stability:** Stable
10.2 **Conditions to avoid:** Heat, flames, and sparks.
10.3 **Materials to avoid:** Strong oxidizing agents.
10.4 **Hazardous decomposition products:** Carbon dioxide and carbon monoxide, hydrocarbons.
10.5 **Further information:** Not determined

11. TOXICOLOGICAL INFORMATION

- 11.1 **Acute oral toxicity:** LD 50 Rat: > 4570 mg/kg
11.2 **Acute inhalation toxicity:** LC 50 RAT: 30 mg/1, 4 h
11.3 **Acute dermal toxicity:** LD 50 Rat: > 13400 mg/kg
11.4 **Irritation and corrosivity:** Can be mildly irritating to eyes, skin and respiratory.
11.5 **Sensitizing effects:** No sensitizing effects.
11.6 **Effects after prolonged exposure:** Unknown.
11.7 **Toxic-kinetic effects:** Unknown.
11.8 **Effects on metabolism:** Unknown.

12. ECOLOGICAL INFORMATION

- 12.1 **Toxicity:** This product has no known ecological hazardous effects.
12.2 **Mobility:** Respective data is not available.
12.3 **Persistence and degradability:** No classification known.
12.4 **Biocommulative potential:** No indication of bio-accumulation potential.
12.5 **Results of PBT Assessment:** Does not meet the criteria for classification as PBT.
12.6 **Other adverse effects:** No effects known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste disposal methods:

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Ingredient	CAS #	Status	Ref. #
Isobutyl alcohol (I,T); 1-Propanol, 2-methyl- (I,T)	78-83-1	Listed	U140

14. TRANSPORT INFORMATION

- 14.1 **DOT Land transport (ADR/ RID) (49 CFR 172.101):**
UN Number: 1993
Transport hazard class: 3



SAFETY DATA SHEET



Date Prepared: 7.1.2015
MSDS No.: Model Sep
Revision No.: 0

Packing group: II
Proper shipping name: Flammable Liquid n.o.s.
Hazard label: Flammable Liquid
Limited quantity: 5 L

14.2 Air transportation (IATA):

UN Number: 1993
Transport hazard class: 3
Packing group: II
Proper shipping name: Flammable Liquid n.o.s.
Hazard label: Flammable Liquid
Limited quantity: 5L



14.3 Sea transportation (IMDG)

UN Number: 1993
Transport hazard class: 3
Packing group: II
Proper shipping name: Flammable Liquid n.o.s.
Hazard label: Flammable Liquid
Limited quantity: 5L



15. REGULATORY INFORMATION

15.1 Risk Phrases:

11 Flammable
65 Harmful; may cause lung damage if swallowed.
36 Irritating to eyes.
67 Vapours may cause drowsiness and dizziness.

15.2 Safety Phrases

2 Keep out of the reach of children.
16 Keep away from sources of ignition.
23 Do not breathe vapour.
24/25 Avoid contact with skin and eyes.
62 If swallowed, do not induce vomiting; seek medical attention.

15.3 Further info: The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

15.4 Sources of key data used to compile the Safety Data Sheet:

O.S.H.A. www.osha.gov
European Chemicals Bureau (ECB) www.ecb.jrc.it
European Chemical Substances Information (ESIS) www.ecb.jrc.it/esis

SAFETY DATA SHEET



Date Prepared: 7.1.2015
MSDS No.: Model Sep
Revision No.: 0

A.C.G.I.H. www.acgih.org
N.I.O.S.H. www.cdc.gov/niosh
U.E. www.europa.eu/index_it.htm
I.A.R.C. www.iarc.fr
N.T.P. www.ntp.niehs.nih.gov

15.5 European Community Directives:

67/548/EEC: Classification, packaging and labelling of dangerous substances.
99/45/EC: Directive concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.
2001/58/EC: Second amendment of directive 91/155/EEC for the definition of a detailed arrangement of specific information relating to dangerous preparations (art. 14 of 99/45/EC) and substances (art. 27 of 67/548/EEC).
89/656/EEC: Directive on the minimum health and safety requirements for the use by workers of personal protective equipment at the workplace (third individual directive within the meaning of Article 16 (1) of Directive 89/391/EEC).
89/686/EEC: Approximation of the laws of the Member States relating to personal protective equipment.
94/9/EC: Approximation of the laws of the Member States concerning equipment and protective at work.
98/24/EC: Commission Directive 2008/58/EC of 21 August 2008 amending, for the purpose of its adaptation to technical progress, for the 30th time, Council Directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances.

16. OTHER INFORMATION

PREPARED BY: Sasha DerAvanessian

REVISION SUMMARY: This SDS replaces all prior MSDS.

HMIS RATING:

RATINGS:
0 = Minimal
2 = Slight
3 = Serious
4 = Severe

NFPA CODES



MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Harvest Dental Products, LLC does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole

SAFETY DATA SHEET



Date Prepared: 7.1.2015
MSDS No.: Model Sep
Revision No.: 0

responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.