

SAFETY DATA SHEET



Date Prepared : 11/18/23
MSDS No : ZBase Accelerator

Revision No : 3

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: ZBase Accelerator

MANUFACTURER

Harvest Dental Products, LLC
905 Columbia St
Brea, CA 92821

Emergency Contact: INFOTRAC

Emergency Phone: 800-535-5053

International Emergency Phone: 1-352-3232-3500

Product Stewardship: 714-674-7400

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Oral), Category 3
Acute Toxicity (Dermal), Category 3
Acute Toxicity (Inhalation), Category 2
Skin Irritation, Category 2
Eye Irritation, Category 2
Aspiration Hazard, Category 1

Physical:

Flammable Liquids, Category 2

GHS LABEL ELEMENTS



Flame



Skull and
crossbones



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
H301: Toxic if swallowed.
H304: May be fatal if swallowed and enters airways.
H311: Toxic in contact with skin.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H373: May cause damage to organs through prolonged or repeated exposure .
H336: May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENT(S)

Prevention:

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P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P233: Keep container tightly closed.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.

Response:

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately 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.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

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

Disposal:

7944L5O1: Dispose of in a manner consistent with federal, state, and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Heptane	65 - 75	142-82-5
Acetone	15 - 25	67-64-1
N,N-DIMETHYL-P-TOLUIDINE	5 - 15	99-97-8

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms reoccur. Wash clothing before reuse.

INGESTION: Do Not induce vomiting. Contact physician at once.

INHALATION: Immediately remove patient to fresh air. If breathing has stopped, give artificial respiration. Use oxygen as required, provided a qualified operator is available. Get medical attention immediately.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Causes eye irritation.

SKIN: Remove contaminated clothing and wash affected areas with soap and water. Prolonged or repeated contact can cause dermatitis in sensitive individuals. Contact a physician if irritation persists.

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SKIN ABSORPTION: No data available on this product.

INGESTION: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Call a physician immediately.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

ACUTE TOXICITY: Eye, skin and respiratory irritant.

CHRONIC EFFECTS: Prolonged or repeated exposure may cause skin dermatitis, central nervous system depression and lung damage.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: GHS Flammable liquid, Category 2

GENERAL HAZARD: Highly flammable

EXTINGUISHING MEDIA: Use dry chemical, foam or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Combustible by-products of carbon monoxide and dioxide.

EXPLOSION HAZARDS: Containers may rupture violently under fire temperatures. Cool containers with water if exposed to fire conditions.

FIRE FIGHTING PROCEDURES: "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty bottles should be completely drained, and properly disposed of.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

FIRE EXPLOSION: Containers may rupture violently under fire temperatures. Cool containers with water if exposed to fire conditions.

SENSITIVITY TO IMPACT: No data available on this product.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Ventilate area and remove sources of ignition. Confine and remove with inert absorbent.

LARGE SPILL: Contain spill with dike to prevent entry into sewers. Absorb liquid and place in sealed container for disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LAND SPILL: Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

AIR SPILL: No data available on this product.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid breathing of vapors. Use only in well ventilated areas. When handling, do not eat, drink or smoke.

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HANDLING: Use with adequate ventilation. Avoid contact with eyes, skin and clothing.

STORAGE: Keep away from heat, sparks and flame, sunlight and ignition sources. Do not place in direct sunlight or allow contamination with incompatible materials. Do not return any used material to storage container. Keep tightly capped.

STORAGE TEMPERATURE: Ambient room temperature (70F/21C).

LOADING TEMPERATURE: No data available on this product.

LOADING/UNLOADING VISCOSITY: No data available on this product.

STORAGE PRESSURE: No data available on this product.

SPECIAL SENSITIVITY: No data available on this product.

ELECTROSTATIC ACCUMULATION HAZARD: Take measures to prevent the buildup of electrostatic charge.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Heptane	TWA	500	2000	400	1640
	STEL			500	2050

9LDCGI F9 CONTROLS:

CHEMICAL	OSHA PEL	ACGIH TLV
Heptane	500 ppm	400 ppm
Acetone	750 ppm	500 ppm
Dimethyl-p-toluidine	WEEL = Workplace environmental exposure level = 0.5 ppm	

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

SKIN: Wear chemical resistant gloves (Buna-N or Polyvinyl alcohol) and apron to protect skin and clothing.

RESPIRATORY: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

PROTECTIVE CLOTHING: Wear protective clothing. Launder contaminated clothing before reuse.

WORK HYGIENIC PRACTICES: Avoid direct contact and breathing vapor. Use with adequate ventilation. Wash hands with soap

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and water after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Moderate odor.
ODOR THRESHOLD: No data available on this product.
APPEARANCE: Transparent, colorless liquid.
COLOR: Clear.
pH: No data available on this product.
FLASHPOINT AND METHOD: -18°C TAG CC
AUTOIGNITION TEMPERATURE: No data available on this product.
VAPOR PRESSURE: Not Established
VAPOR DENSITY: Not established
BOILING POINT: 13°C (56°F)
FREEZING POINT: No data available on this product.
MELTING POINT: No data available on this product.
POUR POINT: No data available on this product.
THERMAL DECOMPOSITION: No data available on this product.
SOLUBILITY IN WATER: Negligible
EVAPORATION RATE: Not Established
SPECIFIC GRAVITY: 0.7
VISCOSITY: No data available on this product.
(VOC): 574.000 g/L
COEFF. OIL/WATER: No data available on this product.

10. STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
STABILITY: Stable.
POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Heat, sparks and flame.
POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of carbon monoxide and carbon dioxide.
INCOMPATIBLE MATERIALS: Pure oxygen and strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

NOTES:

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<u>CHEMICAL</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA carcinogen</u>	<u>LD50 oral rat</u>	<u>LC50 inhalation</u>	<u>LD50 dermal</u>	<u>Health Effect /Target Organs</u>
Heptane	No	No	No	No data	(rat) – 4 hr 103,000 mg/m ³	No data	Irritant, Aspiration hazard / skin, respiratory tract, central nervous system
Acetone	No	No	No	5,800 mg/kg	(rat)-8 hr 50,100 mg/m ³	(guinea pig) 7,426 mg/kg	Irritant/eye, respiratory, skin
Dimethyl-p-toluidine	No	No	No	1650 mg/kg	(rat) – 4 hr 1.4 mg/L	(rat) >2000 mg/kg	Irritant, headache, nausea / skin, respiratory system

EYE EFFECTS: Mildly to moderately irritating.

SKIN EFFECTS: Repeated exposure may cause skin sensitization.

CHRONIC: Repeated exposure may cause skin dryness or cracking.

SUBCHRONIC: No data available on this product.

CARCINOGENICITY

Notes: See chart - acute notes.

IRRITATION: May cause eye irritation, skin irritation and irritation of respiratory tract.

CORROSIVITY: None known.

SENSITIZATION: No data available on this product.

NEUROTOXICITY: May cause central nervous system effects.

GENETIC EFFECTS: No data available on this product.

REPRODUCTIVE EFFECTS: No data available on this product.

TARGET ORGANS: See chart - Acute notes.

TERATOGENIC EFFECTS: No data available on this product.

MUTAGENICITY: No data available on this product.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Prevent product from entering drains or sewers in case of spill.

ECOTOXICOLOGICAL INFORMATION: Prevent product from entering drains or sewers in case of spill.

BIOACCUMULATION/ACCUMULATION: No data available on this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of following all Local Authority requirements for disposal.

FOR LARGE SPILLS: Prevent contamination of soil, drains and surface waters. Dike and contain material. Soak up residue with absorbent (clay, sand) materials and dispose of properly.

PRODUCT DISPOSAL: Dispose of following all Local Authority requirements for disposal.

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14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: FLAMMABLE LIQUIDS N.O.S.(CONTAINS HEPTANE, ACETONE, DIMETHYL-P-TOLUIDINE)

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1993

PACKING GROUP: II

AIR (ICAO/IATA)

SHIPPING NAME: FLAMMABLE LIQUIDS N.O.S.(CONTAINS HEPTANE, ACETONE, DIMETHYL-P-TOLUIDINE)

UN/NA NUMBER: 1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

VESSEL (IMO/IMDG)

SHIPPING NAME: FLAMMABLE LIQUIDS N.O.S.(CONTAINS HEPTANE, ACETONE, DIMETHYL-P-TOLUIDINE)

UN/NA NUMBER: 1993

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Acetone	15 - 25	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Heptane	142-82-5
Acetone	67-64-1
N,N-DIMETHYL-P-TOLUIDINE	99-97-8

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the state of California to cause cancer. (Dimethyl-p-toluidine, CAS 99-97-8).

16. OTHER INFORMATION

TITLE: Managing Director

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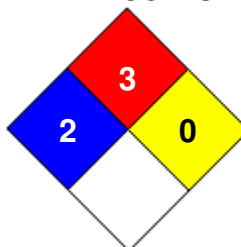
PREPARED BY: Sasha DerAvanessian

REVISION SUMMARY: This SDS replaces all prior MSDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		C

NFPA CODES



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