

STAPA HYDROXAL E 6-1501 Aluminum Paste

Version	Revision Date:	SDS Number:	Date of last issue: 12/12/2019
2.1	10/28/2020	102000028770	Date of first issue: 03/27/2018

SECTION 1. IDENTIFICATION

Product name : STAPA HYDROXAL E 6-1501 Aluminum Paste
Product code : 046346CR0

Manufacturer or supplier's details

Company name of supplier : ECKART America Corporation
Address : 830 East Erie Street
Painesville OH 44077
Telephone : 866-458-7837
Telefax : (440) 354-6224
Emergency telephone : **CHEMTREC:** 800-424-9300
CHEMTREC: 1-703-527-3387 (International)

NCEC:

(contract no. ECKART29003-NCEC)
US: +1 866 928 0789 (Toll free)
Canada: +1 800 579 7421 (Toll Free)
Mexico: +52 55 5004 8763

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Specific target organ toxicity : Category 2
- repeated exposure

GHS label elements

Hazard pictograms :



Signal Word : Warning

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

Precautionary Statements : **Prevention:**
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
Response:
P314 Get medical advice/ attention if you feel

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unwell.

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label:
1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-
Phosphonic acid, P-octyl-

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
Aluminum	7429-90-5	≥ 50 - < 70
1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-	95-38-5	≥ 5 - < 10
Phosphonic acid, P-octyl-	4724-48-5	≥ 1 - < 3

SECTION 4. FIRST AID MEASURES

- General advice : Take the victim into fresh air.
Do not leave the victim unattended.
Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water.
Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

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If swallowed	:	Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	:	Causes serious eye damage. May cause damage to organs through prolonged or repeated exposure. Causes severe burns.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Dry sand Special powder against metal fire
Unsuitable extinguishing media	:	ABC powder Carbon dioxide (CO2) Water Foam
Specific hazards during fire fighting	:	Contact with water liberates extremely flammable gas (hydrogen). Do not allow run-off from fire fighting to enter drains or water courses.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Use personal protective equipment. Use personal protective equipment. Avoid dust formation.
Environmental precautions	:	 Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for	:	Use mechanical handling equipment.

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containment and cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Do not flush with water.
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Avoid dust formation.

Advice on safe handling : Avoid formation of respirable particles.
Do not breathe vapors/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : Store in original container.
Keep containers tightly closed in a cool, well-ventilated place.
Keep away from sources of ignition - No smoking.
Keep container closed when not in use.
Keep container tightly closed in a dry and well-ventilated place.
Electrical installations / working materials must comply with the technological safety standards.

Technical measures/Precautions
Materials to avoid

: Do not store near acids.
Do not store together with oxidizing and self-igniting products.
Keep away from oxidizing agents and strongly acid or alkaline materials.
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Ingredients with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible	Basis

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			concentration	
Aluminum	7429-90-5	TWA (total dust)	50 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable)	5 mg/m3	NIOSH REL
		TWA (total dust)	15 mg/m3	OSHA Z-3
		TWA (total)	10 mg/m3	NIOSH REL
		TWA (respirable fraction)	5 mg/m3	OSHA Z-3
		TWA (respirable fraction)	15 Million particles per cubic foot	OSHA Z-3
		TWA (Respirable particulate matter)	1 mg/m3	ACGIH
		TWA	5 mg/m3 (Aluminum)	NIOSH REL
		TWA (Total)	15 mg/m3 (Aluminum)	OSHA P0
		TWA (Respirable fraction)	5 mg/m3 (Aluminum)	OSHA P0
		TWA (total dust)	15 mg/m3 (Aluminum)	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3 (Aluminum)	OSHA Z-1
		TWA (Total dust)	15 mg/m3 (Aluminum)	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3 (Aluminum)	OSHA P0
		TWA (welding fumes)	5 mg/m3 (Aluminum)	NIOSH REL
		TWA (pyro powders)	5 mg/m3 (Aluminum)	NIOSH REL
		TWA (Respirable particulate matter)	1 mg/m3 (Aluminum)	ACGIH

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		TWA (Fumes)	5 mg/m3	OSHA P0
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Hazardous components without workplace control parameters

Components	CAS-No.
1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-	95-38-5
Phosphonic acid, P-octyl-	4724-48-5

Personal protective equipment

Respiratory protection : Use suitable breathing protection if workplace concentration requires.

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Pasty solid

Color : silver

Odor : characteristic

Odor Threshold : No data available

pH : No data available

Melting point/freezing point : No data available

Initial boiling point and boiling range : No data available

Flash point : > 100 °C

Evaporation rate : No data available

Flammability (solid, gas) : The product is not flammable.

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Vapor pressure : No data available

Relative density : No data available

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Density	:	1.5 - 1.7 g/cm3
Solubility(ies)	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Contact with acids and alkalis may release hydrogen. Stable under recommended storage conditions.
Conditions to avoid	:	Do not allow evaporation to dryness. No data available
Incompatible materials	:	Acids Bases Oxidizing agents

SECTION 11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Not classified based on available information.

Components:**1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:**

Acute oral toxicity	:	Assessment: The component/mixture is moderately toxic after single ingestion.
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Phosphonic acid, P-octyl-:

Acute oral toxicity	:	(Rat): 500 - 2,000 mg/kg
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Skin corrosion/irritation

Causes severe burns.

Components:**1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:**

Result: Corrosive, category 1C - where responses occur after exposures between 1 hour and 4 hours and observations up to 14 days.

Remarks: Extremely corrosive and destructive to tissue.

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Phosphonic acid, P-octyl-:

Remarks: Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation

Causes serious eye damage.

Components:**1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:**

Result: No eye irritation

Remarks: May cause irreversible eye damage.

Phosphonic acid, P-octyl-:

Remarks: May cause irreversible eye damage.

Respiratory or skin sensitization**Skin sensitization**

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

IARC

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

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STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:**1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:**

Assessment: May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Further information**Components:****1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:**

Remarks: No data available

Phosphonic acid, P-octyl-:

Remarks: No data available

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Components:****1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential

No data available

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Other adverse effects

No data available

Components:**1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

Phosphonic acid, P-octyl-:

Additional ecological information : No data available

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal methods**

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.
In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION**Domestic regulation****49 CFR**

Not regulated as a dangerous good

International Regulations**IATA-DGR**

Not permitted for transport

IMDG-Code

Not regulated as a dangerous good

Remarks : Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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SECTION 15. REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know****CERCLA Reportable Quantity**

Components	CAS-No.	Component RQ (lbs)
Carbamic acid, N-1H-benzimidazol-2-yl-, methyl ester	10605-21-7	10

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Skin corrosion or irritation
Serious eye damage or eye irritation
Specific target organ toxicity (single or repeated exposure)

SARA 313 : The following components are subject to reporting levels established by SARA Title III, Section 313:

Aluminum	7429-90-5	>= 50 - < 70 %
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Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations**Massachusetts Right To Know**

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1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-	95-38-5
Phosphonic acid, P-octyl-	4724-48-5
Castor oil, ethoxylated	61791-12-6
Fatty acids, C14-18 and C16-18-unsatd.	67701-06-8

Pennsylvania Right To Know

Aluminum	7429-90-5
Water	7732-18-5
1H-Imidazole-1-ethanol, 2-(8-heptadecen-1-yl)-4,5-dihydro-	95-38-5

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.



WARNING: This product can expose you to chemicals including lead and cadmium, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

California List of Hazardous Substances

Aluminum	7429-90-5
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California Permissible Exposure Limits for Chemical Contaminants

Aluminum	7429-90-5
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The ingredients of this product are reported in the following inventories:

DSL	: This product contains one or several components listed in the Canadian NDSL.
TSCA	: All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION**Full text of other abbreviations**

ACGIH	: USA. ACGIH Threshold Limit Values (TLV)
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NIOSH REL : USA. NIOSH Recommended Exposure Limits
 OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -
 1910.1000
 OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1
 Limits for Air Contaminants
 OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3
 Mineral Dusts
 ACGIH / TWA : 8-hour, time-weighted average
 NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour
 workday during a 40-hour workweek
 OSHA P0 / TWA : 8-hour time weighted average
 OSHA Z-1 / TWA : 8-hour time weighted average
 OSHA Z-3 / TWA : 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; AIIIC - Australian Inventory of Industrial
 Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA -
 Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen,
 Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT
 - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration
 associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated
 with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances
 (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency
 Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS -
 Hazardous Materials Identification System; IARC - International Agency for Research on Cancer;
 IATA - International Air Transport Association; IBC - International Code for the Construction and
 Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory
 concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing
 Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International
 Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International
 Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal
 Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median
 Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA -
 Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire
 Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No
 Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National
 Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for
 Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution
 Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of
 Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA
 - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the
 European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and
 Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition
 Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet;
 TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States);
 UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous
 Goods; vPvB - Very Persistent and Very Bioaccumulative

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