

SPI Supplies Division

Structure Probe, Inc.

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Manufacturer's CAGE: 1P573

Safety Data Sheet

Date Effective: September 21, 2020

SPI Catalog # 01026-AB

WENOL® Metal Polish

Section 1.1: Identification

Chemical Name/Synonyms Metal Polish

Product or Trade Name WENOL® Metal Polish

CAS #'s 1344-28-1, 64742-48-9, 544-60-5, 1336-21-6

Chemical Formula..... Mixture

Section 1.2: Relevant Uses/Restrictions

Polishing agent, burnishing compound

Section 1.3: Supplier of the Safety Data Sheet

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Section 1.4: Emergency telephone number

Emergencies

Contacting CHEMTREC:

24 Hour Emergency Use Only #'s...

Worldwide phone: 1-(703)-741-5970

Toll-free phone: 1-(800)-424-9300 USA + Canada only

Section 2: Hazard Identification

2.1 Classification of the substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.2 Label elements:

Eye Irritant, Category 2



Signal Word: Warning

Hazard Statements:

H319 Causes serious eye irritation

Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children

P264 Wash hands thoroughly after handling

P305 + P35 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention

Classification according to Regulation (EC) No 1272/2008

2.2 Label elements

Pictogram



GHS07

Eye Irritant, Category 2

H319 Causes serious eye irritation

Signal Word: Warning

Hazard statements:

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Precautionary statements:

P101 If medical advice is needed, have product container or label at hand

P102 Keep out of reach of children

P264 Wash hands thoroughly after handling

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking

2.3 Other Hazards:

Results of PBT and vPvB assessment

PBT:

The product does not contain any PBT substance or does not fulfill criteria for PBT according to annex XIII of regulation (EC) 1907/2006.

vPvB:

The product does not contain any vPvB substance or does not fulfill criteria for vPvB according to annex XIII of regulation (EC) 1907/2006.

Section 3: Composition

3.1 Substances: N/A

3.2 Mixtures:

<u>Component</u>	<u>Name</u>	<u>Percentage</u>
CAS # 1344-28-1 EINECS:215-691-6 Reg.nr. REACH: 01-2119529248-35	Aluminum oxide substance with a community workplace exposure limit	20-<30%
CAS # 64742-48-9 EC number: 918-481-9 Reg.nr.: REACH: 01-2119457273-39	Hydrocarbons, C10-C13, <2% aromatics n-alkanes, isoalkanes, cyclics Aspiration Hazard. category 1, H304	20-<30%
CAS # 544-60-5 EINECS: 208-873-1 Rg. Nr. REACH: 01-2120057728-45	Aluminum oleate Eye irritant 2, H319	5-<10%
CAS # 1336-21-6 EINECS: 215-647-6 Reg.Nr. REACH: 01-2119982985-14	Ammonia ...% Skin corr 1B H314 Aquatic acute, 1, H400 STOT SE 3, H335	0.1-<1%

Additional information: For the wording of the listed risk phrases refer to Section 16.

Section 4: First Aid Measures

4.1 Description of first aid measures:

Inhalation – After inhalation, get to fresh air. If pain persists, get medical attention.

Skin Contact – In case of skin contact, immediately wash with water and soap and rinse thoroughly.

Eye Contact – In case of eye contact, immediately flush eyes with plenty of water with lids lifted. If symptoms persist, seek medical advice.

Ingestion – After swallowing, rinse out mouth with water. Give nothing to drink. Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: If swallowed or in case of vomiting, danger of entering the lungs.

Section 5: Fire Fighting Measures

5.1 Extinguishing media:

Suitable extinguishing agents: CO₂, powder, or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons, unsuitable extinguishing agents: Full water jet

5.2 Special hazards arising from the substance or mixture:

In case of fire, the following can be released:

Carbon monoxide (CO), Nitrogen oxides (NO_x), Sulphur dioxide (SO₂)

5.3 Hazardous combustion products:

In case of fire, the following can be released:

Carbon monoxide (CO), Nitrogen oxides (NO_x), Sulphur dioxide (SO₂)

5.4 Advice for firefighters:

Use fire extinguishing methods suitable to surrounding conditions.

5.5 Special protective equipment and precautions for firefighters:

Wear self-contained respirator protective device.

Do not inhale explosion gases or combustion gases.

Additional information:

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

Section 6: Accidental Release Measures

6.1 Personal precautions:

Wear protective clothing.

Ensure adequate ventilation.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as water according to Sectopm13.

6.4 Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7: Handling and Storage

7.1 Precautions for safe handling:

Observe the usual precautionary measures for handling chemicals.

Avoid contact with eyes.

Avoid close or long term contact with the skin.

Observe use instructions.

Information about fire and explosion protection: The product is not flammable.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements to be met by storerooms and receptacles: Provide solvent resistant, sealed floor.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions:

Store in dry conditions at 20-25 °C (50-77 °F)

Protect from frost.

7.3 Specific end uses:

No further relevant information available.

This material is not being offered for clinical or diagnostic applications, agricultural uses or for human or animal consumption.

Additional information about designs of technical facilities: No further data: see Section 7.

Section 8: Exposure Controls and Personal Protection

8.1 Control parameter and Personal Protection:

Workplace exposure limits:

Ingredients with limit values that require monitoring at the workplace:

Aluminum oxide – CAS # 1344-28-1

OSHA PEL: 5 mg/m³ as respirable dust averaged on 8 hour work shift

OSHA PEL: 15 mg/m³ as total dust averaged on 8 hour work shift

ACGIH TLV: 1 mg/m³ respirable fraction for Aluminum averaged over an 8 hour work shift

Additional information: The lists valid during the making were used as basis.

Biological limit values: No relevant information available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls:

Provide adequate ventilation.

8.2.2 Individual protection measures:

General protective and hygienic measures:

Observe the usual precautionary measures for handling chemicals.

Avoid contact with the eyes.

Avoid close or long term contact with skin.

Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

Protection of hands:

Protective gloves according to EN 374.

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of the gloves:

Nitrile rubber, NBR

Recommended thickness of the material ≥ 0.4 mm.

The selection of suitable gloves does not only depend on the material, but also on further marks

of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Goggles recommended during refilling.

Body protection:

Light weight protective clothing.

8.2.3 Environmental exposure controls: No further relevant information available.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance: Pink paste

Odor: Characteristic

Odor threshold: Not determined

pH: 9.5-11.5 at 20 °C (68 °F)

Melting point/Freezing point: Not determined

Boiling point/Boiling point range: >100 °C

Flash Point: Not applicable

Evaporation rate: Not determined

Flammability (solid, gas): Product is not flammable

Upper/lower flammability or explosive limits: Not determined

Vapor Pressure: Not determined

Vapor density: Not determined

Relative density: Not determined

Solubility in / Miscibility in water: Dispersible

Partition coefficient (n-octanol/water): Not determined

Auto-ignition temperature: Product is not self-igniting

Decomposition temperature: Not determined

Viscosity: Not determined

Explosive properties: Product does not present an explosion hazard

Oxidizing Properties: Product is not an oxidizer

Organic solvent content: 15-25%

9.2 Other information: No further relevant information available.

Section 10: Stability and Reactivity

10.1 Reactivity: No further relevant information.

10.2 Chemical Stability:

Thermal decomposition / conditions to be avoided: Do not expose to temperatures exceeding 50 °C (122 °F).

10.3 Possibility of Hazardous Reactions: Reacts with strong acid and oxidizing agents.

10.4 Conditions to avoid: Do not expose to temperatures exceeding 50 °C (122 °F).

10.5 Incompatible materials: Acids, oxidizing agents.

10.6 Hazardous decomposition products: Hydrogen.

Section 11: Toxicological Information

11.1 Information on toxicological effects:

A. Acute toxicity

LD50/LC50 values relevant for classification:

CAS# 64742-48-9 Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >5000 mg/kg (rabbit)

CAS# 1336-21-6 Ammonia ...%

Oral LD50 350 mg/kg (rat)

B. Skin corrosion/irritation

Based on available data, the classification criteria are not met.

C. Serious eye damage/irritation

Causes serious eye irritation.

D. Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

Additional toxicological information Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

Repeated dose toxicity: No further relevant information available.

E. Germ cell mutagenicity

Based on available data, the classification criteria are not met.

F. Carcinogenicity

Based on available data, the classification criteria are not met.

G. Reproductive toxicity

Based on available data, the classification criteria are not met.

H. STOT-single exposure

Based on available data, the classification criteria are not met.

I. **STOT-repeated exposure**

Based on available data, the classification criteria are not met.

J. **Aspiration hazard**

Based on available data, the classification criteria are not met.

Section 12: Ecological Information

12.1 Toxicity:

Aquatic toxicity:

CAS# 64742-48-9, Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

EC50 >1000 mg/l (algae) (96h)

LC50 >1000 mg/l (fish) (96h)

CAS# 1336-21-6 Ammonia ...%

LC50 0.89 mg/l (fish)

LC50 0.101 mg/l (daphnia magna)

LC50 2000 mg/l (rat)

12.2 Persistence and degradability: The contained surfactants are easily biodegradable.

12.3 Bio-accumulative potential: Bioaccumulation potentially possible.

12.4 Mobility in soil: No further relevant information available.

Additional ecological information:

General notes:

The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage stream.

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable

12.6 Other adverse effects: No further relevant information.

Section 13: Disposal Considerations

13.1 Waste treatment methods:

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose of in accordance with all applicable local and national regulations.

European waste catalogue:

20 01 30 Detergents other than those mention in 20 01 29

15 01 04 Metallic packaging

Uncleaned packaging:

Recommendation: Non contaminated packaging's may be recycled.

Dispose of in accordance with all applicable local and national regulations.

Recommended cleaning agents: Water, of necessary together with cleansing agents.

Section 14: Transport Information

DOT: Not regulated for transport.

14.1 UN number: Not regulated

14.2 UN proper shipping name: Not regulated

14.3 Transport hazard class(es): Not regulated

14.4 Packing Group: Not regulated

14.5 Environmental hazards: Marine Pollutant: No

14.6 Special precautions for user: Not applicable

14.7 Transport in bulk according to Annex II of Marpos and the IBC Code: Not applicable

UN "Model Regulation": Void

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture:

U.S. Government Regulations:

TSCA Active Inventory List:

CAS # 1344-28-1 is on the TSCA Active Inventory List.

CAS# 64742-48-9 is on the TSCA Active Inventory List.

CAS# 544-60-5 is on the TSCA Active Inventory List.

CAS# 1336-21-6 is on the TSCA Active Inventory List.

SARA 313 Emissions reporting: None Listed

SARA-Section 311/312: No components present in this product are subject to the reporting requirements of this statute.

CERCLA hazardous substances and their reportable quantities: None

California prop. 65: No components listed.

EU regulations

Directive 2012/18/EU

Named dangerous substances – ANNEX1: None of the ingredients is listed.

15.2 Chemical Safety Assessment: A chemical safety assessment has not been carried out because it is not necessary for mixtures.

Date of Preparation: September 21, 2020.

Relevant Phrases:

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H319 Causes severe eye irritation.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

Abbreviations and acronyms

GHS: Globally Harmonized System of Classification and Labelling of chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1271/2008)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation
CMRG: Chemical Manufacturer's Recommended Guidelines
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
AIHA: American Industrial Hygiene Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
REACH: Regulation (EC) No 1907/2006 of the European Parliament and the council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals.
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
EC50: Effective concentration, 50 per cent
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bio-accumulative and Toxicological
vPvB: very Persistent and very Bio-accumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety Health
ATE: Acute Toxicity Estimates
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
STEL: Short Term Exposure Limit
CEIL: Ceiling
TSCA: Toxic Substances Control Act (USA)
DSL: Domestic Substances List (Canada)
PICCS: Philippine Inventory of Chemicals and Chemical Substances
ENCS: Existing and New Chemical Substances (Japan)
AICS: Australian Inventory of Chemical Substances
IECSC: Inventory of Existing Chemical Substances in China
KECL: Korea Existing Chemicals List

Section 16: Other Information

Disclaimer of Liability:

Caution! Do not use SPI Supplies products or materials in applications involving implantation within the body; direct or indirect contact with the blood pathway; contact with bone, tissue, tissue fluid, or blood; or prolonged contact with mucous membranes. Products offered by SPI Supplies are not designed or manufactured for use in implantation in the human body or in contact with internal body fluids or tissues. SPI Supplies will not provide to customers making devices for such applications any notice, certification, or information necessary for such medical device use required by US FDA (Food and Drug Administration) regulation or any other statute. SPI Supplies and Structure Probe, Inc. make no representation, promise, express warranty or implied warranty concerning the suitability of these materials for use in implantation in the human body or in contact with internal body tissues of fluids.

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