

# SAFETY DATA SHEET



Product name: AP-A, AP-D SUSPENSION  
Revision Date: 2016-12-05  
Document No.: M0122

Page: 1/9  
Print date: 2016-12-07  
SDS-ID: CA-EN/13.0

## 1. IDENTIFICATION

### Product identifier

Product name: AP-A, AP-D SUSPENSION  
Cat. No. 40700042, 40700043, 40700044, 40700045, 40700046, 40700034,  
40700035, 40700036

Container size: 500 ml

### Recommended use and restrictions on use

Application: Cutting and lubricating agent for grinding and polishing of materialographic specimens.

### Details of the supplier of the safety data sheet

Supplier: Struers Ltd  
7275 West Credit Avenue  
Ontario L5N 5M9 Mississauga  
Canada  
Tel: +1 (905) 8148855

Responsible for safety data sheet authoring: Responsible for safety data sheet authoring: DHI  
Any questions to the contents of this safety data sheet should be sent to:  
struers@struers.dk

### Emergency telephone number

Emergency telephone: Infotrac:  
1-800-535-5053  
Struers CAN:  
+1 (905) 8148855  
(Only during office hours)

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## 2. HAZARDS IDENTIFICATION

### Classification of the hazardous product

WHMIS 2015: Skin Sensitizer — Category 1

### Label elements



#### Warning

H317	May cause an allergic skin reaction.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective clothing, gloves, eye and face protection.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/container in accordance with local regulations.
P272	Contaminated work clothing should not be allowed out of the workplace.

### Other hazards

PBT/vPvB: Not relevant

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures

The product contains: Aluminium oxide and Water.

WHMIS 2015:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
10-30	1344-28-1	418-390-1	-	Aluminium oxide	-	
0,0015 - < 0,06	55965-84-9		-	A mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	Acute (Inhalation) Toxicity Category 3 Acute (Dermal) Toxicity Category 3 Acute (Oral) Toxicity Category 3 Skin Corrosion Category 1B Skin Sensitizer Category 1 Aquatic Acute Toxicity Category 1 Aquatic Chronic Toxicity Category 1	

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References: The full text for all hazard statements is displayed in section 16.

## 4. FIRST-AID MEASURES

### Description of first-aid measures

Inhalation: In case of inhalation of spray mist: Move person into fresh air and keep at rest.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable take to hospital along with these instructions. Do not induce vomiting.

### Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

### Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Not known.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: No specific precautions.

### Specific hazards arising from the hazardous product

Specific hazards: No specific precautions.

### Advice for fire-fighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid contact with skin and eyes.

### Environmental precautions

Environmental precautions: Avoid discharge into water courses or onto the ground.

### Methods and material for containment and cleaning up

Spill Cleanup Methods: Dam and absorb spillage with sand, sawdust or other absorbent.

### Reference to other items

References: For personal protection, see section 8. For waste disposal, see section 13.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

Safe handling advice: Avoid contact with skin and eyes. Observe good chemical hygiene practices. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

Technical measures: Work practice should minimize contact.

Technical precautions: Local exhaust is recommended.

### Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container. Store at room temperature.

### Specific end-use(s)

Specific use(s): Not relevant

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

Other provincial OEL's may apply.

Occupational exposure limits:

<u>CAS-No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References:</u>
1344-28-1	Aluminum oxide, total dust	Al	10 mg/m3	TWA	-	Quebec
1344-28-1	Aluminum oxide	-	10 mg/m3	TWA	-	Alberta

### Exposure controls

Engineering measures: Local exhaust is recommended. Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation.

Personal protection: Personal protection equipment should be chosen according to relevant standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation use suitable respirator. It is recommended to use respiratory equipment with combination filter, type A2/P3.

Hand protection: Wear protective gloves. Neoprene gloves are recommended. Suitable gloves can be recommended by the glove supplier.

Eye protection: Risk of splashes: Wear goggles/face shield.

Skin protection: Wear apron or protective clothing in case of splashes.

Hygiene measures: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Environmental Exposure Controls: Not available.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Form: Suspension.  
Colour: White  
Odour: Odourless.  
pH: Not available.  
Boiling point: 100°C  
Flash point: Not available.  
Explosion limits: Not available.  
Relative density: 1,20  
Solubility: Miscible with water.

### Other information

Other data: Volatile Organic Compound (VOC): 0 g/l

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactivity: None known.

### Chemical stability

Stability: Stable under normal temperature conditions.

### Possibility of hazardous reactions

Hazardous Reactions: None known.

### Conditions to avoid

Conditions/materials to avoid: Direct sunlight.

### Incompatible materials

Incompatible materials: None specific

### Hazardous decomposition products

Hazardous decomposition products: None in particular.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<u>Acute Toxicity (Oral):</u>	Based on available data, the classification criteria are not met.
<u>Acute Toxicity (Dermal):</u>	Based on available data, the classification criteria are not met.
<u>Acute Toxicity (Inhalation):</u>	Based on available data, the classification criteria are not met.
<u>Skin Corrosion/Irritation:</u>	Based on available data, the classification criteria are not met.
<u>Serious eye damage/irritation:</u>	Based on available data, the classification criteria are not met.
<u>Respiratory or skin sensitization:</u>	May cause an allergic skin reaction.
<u>Germ cell mutagenicity:</u>	Based on available data, the classification criteria are not met.
<u>Carcinogenicity:</u>	Based on available data, the classification criteria are not met.
<u>Reproductive Toxicity:</u>	Based on available data, the classification criteria are not met.
<u>STOT - Single exposure:</u>	Based on available data, the classification criteria are not met.
<u>STOT - Repeated exposure:</u>	Based on available data, the classification criteria are not met.
<u>Aspiration hazard:</u>	Based on available data, the classification criteria are not met.
<u>Inhalation:</u>	Not relevant at normal room temperatures. When heated, irritating vapors may be formed. Spray mist may irritate the respiratory system.
<u>Skin contact:</u>	Prolonged contact may cause redness and irritation.
<u>Eye contact:</u>	Splashes may irritate.
<u>Ingestion:</u>	May irritate.
<u>Specific effects:</u>	Carcinogenicity: IARC Not Listed. NTP Not Listed.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Ecotoxicity: The product is not expected to be hazardous to the environment.

### Persistence and degradability

Degradability: The degradability of the product has not been stated.

### Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

### Mobility in soil

Mobility: No data available.

### Results of PBT and vPvB assessment

PBT/vPvB: Not relevant

### Other adverse effects

Other adverse effects: None known.

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## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

Waste from residues: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Waste is classified as hazardous waste.

Contaminated packaging: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

## 14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, TDG).

### UN number

UN-No: -

### UN proper shipping name

Proper Shipping Name: -

### Transport hazard class(es)

Class: -

### Packing group

PG: -

### Environmental hazards

Marine pollutant: -

Environmentally Hazardous substance: -

### Special precautions for user

Special precautions: None known.

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

Transport in bulk: Not relevant

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## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations specific to the product

Special provisions: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

DSL: All chemicals included in the product are DSL listed.

National regulation: Hazardous Products Regulations.  
Canadian Environmental Protection Act, Reporting for the Domestic Substances List (DSL), with amendments.  
U.S. Department of health and human services: 2011 - Report on Carcinogens - 12th Edition.  
International Agency for Research on Cancer (IARC): IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. Lyon: IARC, World Health Organization.  
Alberta Regulation 393/88 Occupational Health and Safety Act, Chemical Hazards Regulation, with amendments.  
Quebec: Regulation respecting the quality of the work environment (R.R.Q. 1981, S-2.1, r.15), with amendments.  
Ontario: Control of Exposure to Biological or Chemical Agents R.R.O. 1990, Reg. 833, with amendments.  
British Columbia: Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, with amendments.

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## 16. OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: -

The (\*) indicates the changes made with respect to the previous version.

Approved by DHI.



### Additional information:

Classification according to WHMIS 2015:  
Calculation method.

### Wording of R-phrases/H-statements:

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).