SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name: DIAPRO

DiaPro Dur 3 µm, DiaPro Dur 1 µm, DiaPro Mol R 3 µm, DiaPro Nap R 1 µm, DiaPro Nap R ¼ µm

Batch No. ≥ 9121-0001

Cat. No. 40600381, 40600382, 40600383, 40600384, 40600393, 40600394, 40600395, 40600396, 40600397, 40600398

Container size: 500 ml; 5 l

Relevant identified uses of the substance or mixture and uses advised against

Application: For grinding and polishing of materialographic specimens.

Uses advised against: No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier:
Struers Australia
27 Mayneview Street
Milton QLD 4064, Australia

Supplier in NZ:
Malcolm Total Logistics
39 Richard Pearse Drive
Airport Oaks, Auckland
New Zealand
Tel:+64 9 2573564

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

New Zealand Poisons Centre: 0800 764 766 (24 hours a day, 7 days a week).

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

HSNO: Based on available data the classification criteria are not met.

Label elements

The substance/mixture does not meet the criteria for classification and labelling.

Other hazards

Prolonged skin contact may cause temporary irritation. Splashes in the eyes may cause redness and irritation.

PBT/vPvB: No information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

The product contains: Water, Diamond and additives.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Inhalation:	Move 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 at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
Ingestion:	Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

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:	Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing media

Extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials. Unsuitable extinguishing media: No specific precautions.

Special hazards arising from the substance or mixture

Specific hazards:	In case of fire, toxic gases may be formed.

Advice for firefighters

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:	Avoid inhalation of vapours and aerosols and contact with skin and eyes. For personal protection, see section 8.
For emergency responders:	No specific recommendations. For personal protection, see section 8.

Environmental precautions

Environmental precautions:	No specific precautions.

Methods and material for containment and cleaning up

Methods for cleaning up:	Dam and absorb spillage with sand, sawdust or other absorbent. Dispose of waste and residues in accordance with local authority requirements.

Reference to other sections

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

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Safe handling advice:	Avoid inhalation of vapours and contact with skin and eyes. Observe good chemical hygiene practices.
Technical measures:	Work practice should minimise contact.
Technical precautions:	Local exhaust is recommended.

Conditions for safe storage, including any incompatibilities

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

Specific end use(s)

Specific use(s):	No information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No occupational exposure limit assigned.

Exposure controls

Engineering measures:	Local exhaust is recommended.
Personal protection:	Personal protection equipment should be chosen according to the AS/NZS standards and in discussion with the supplier of the personal protective equipment.
Respiratory equipment:	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2).
Hand protection:	Risk of contact: Wear protective gloves. Nitrile gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
Eye protection:	Risk of contact: Wear goggles/face shield.
Skin protection:	Wear apron or protective clothing in case of splashes.
Environmental Exposure Controls:	Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:	Liquid.
Colour:	Grey.
Odour:	Mild soap-like
Odour threshold:	Not available.
pH:	7
Melting point:	Not relevant.
Boiling point:	approx. 100 °C
Flash point:	Not applicable.
Evaporation rate:	Not available.
Flammability (solid, gas):	Not available.
Explosion limits:	Not relevant.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	1,02
Solubility:	soluble in water
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature (°C):	Not available.
Decomposition temperature (°C):	Not available.
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not available.

Other information

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

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Reactivity: None under normal conditions.

Chemical stability

Stability: Stable under normal temperature conditions.

Possibility of hazardous reactions

Hazardous Reactions: None under normal conditions.

Conditions to avoid

Conditions/materials to avoid: No information available.

Incompatible materials

Incompatible materials: Strong oxidising substances, strong acids and strong bases.

Hazardous decomposition products

Hazardous decomposition products: In case of fire, toxic gases may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute Toxicity (Oral):	Based on available data, the classification criteria are not met.
Acute Toxicity (Dermal):	Based on available data, the classification criteria are not met.
Acute Toxicity (Inhalation):	Based on available data, the classification criteria are not met.
Skin Corrosion/Irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive Toxicity:	Based on available data, the classification criteria are not met.
STOT - Single exposure:	Based on available data, the classification criteria are not met.
STOT - Repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

Inhalation:	Not relevant at normal room temperatures.
Skin contact:	Prolonged contact may cause redness and irritation.
Eye contact:	Splashes may irritate.
Ingestion:	May irritate and cause malaise.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

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: No information available.

Other adverse effects

Other adverse effects: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues: Dispose of waste and residues in accordance with local authority requirements.

L-Code: 16 05 09

Contaminated packaging: Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

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

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.

SECTION 15: REGULATORY INFORMATION

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

Special provisions: All chemicals included in the product are NZIoC listed or fall under notification exceptions.

National regulation: Hazardous Substances and New Organisms Act 1996 (HSNO), as amended 2018.
Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.
Hazardous Substances (Classification) Notice 2017.
Hazardous Substances (Safety Data Sheets) Notice 2017.
New Zealand Waste List.
New Zealand Inventory of Chemical Substances (NZIoC).

SECTION 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.

Allan Vorup

Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to HSNO:
Calculation method.

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.