

Trade name: DIAMOND SUSPENSION

Current version : 2.0.2, issued: 01.11.2022

Replaced version: 2.0.1, issued: 29.01.2019

Region: GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

DIAMOND SUSPENSION

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

Relevant identified uses of the substance or mixture

Polishing agent for materialographic samples

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

SCAN-DIA GmbH
Luetkenheider Strasse 11
58099 Hagen
Germany

Telephone no. +49 (0) -2331-62469-0

Fax no. +49 (0) -2331-62469-29

e-mail info@scan-dia.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms

-

Signal word

-

Hazard statement(s)

-

Hazard statements (EU)

EUH210 Safety data sheet available on request.

Precautionary statement(s)

-

Labelling information

The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

2.3 Other hazards

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No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

No	Substance name	Additional information	
	CAS / EC / Index / REACH no	Classification (EC) 1272/2008 (CLP)	Concentration
			%
1	1,3-dipropylcyclohexane; 2-methylundecane; undecane		
	- 926-141-6 - -	Asp. Tox. 1; H304 EUH066	> 1.00 - < 5.00 wt%

Full Text for all H-phrases and EUH-phrases: pls. see section 16

3.3 Other information

Labelling for contents according to regulation No (EC) 648/2004, Annex 7:

5 - 15 % aliphatic hydrocarbons

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when sickness symptoms persist, seek medical attention.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

After ingestion

Call a doctor immediately. Rinse the mouth thoroughly with water. Do not induce vomiting - aspiration hazard.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

Irritating to eyes, respiratory system and skin. Intensive inhalation of vapors can cause headache and nausea.

Effects

After aspiration (i.e. in case of vomiting) risk of pulmonary oedema and/or pneumonia.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry chemical extinguisher; Foam; Water spray jet; Carbon dioxide

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Toxic pyrolysis products; Carbon monoxide and carbon dioxide

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5.3 Advice for firefighters

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

High risk of slipping due to leakage/spillage of product. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the subsoil/soil. Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g., general-purpose binder). Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

Information regarding waste disposal, see section 13. Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Wash hands before breaks and after work. Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuffs.

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed. Recommended storage temperature: room temperature. Keep only in the original container in a cool, well ventilated place. Protect from heat and direct sunlight.

Incompatible products

Do not store together with: Do not store with combustible materials. oxidizing substances; spontaneously combusting substances; oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

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Not necessary, but do not inhale vapours.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Protective gloves (recommended); For prolonged or repeated contact: use barrier creams, which may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Mind the manufacturer recommendations. Please read the protective glove manufacturer's information relating to permeation rates and breakthrough times and the particular conditions at the workplace.

Appropriate Material	nitrile		
Material thickness		0.4	mm
Breakthrough time		480	min

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

State of aggregation			
liquid			
Form			
liquid			
Colour			
cloudy; black; grey; white			
Odour			
weak; oily			
pH value			
Value	6	-	7
Boiling point / boiling range			
Value	appr.	100	°C
Melting point/freezing point			
Value	appr.	0	°C
Decomposition temperature			
No data available			
Flash point			
Value	>	65	°C
Ignition temperature			
No data available			
Flammability			
No data available			
Lower explosion limit			
No data available			
Upper explosion limit			
No data available			
Vapour pressure			
Value	appr.	18	mbar
Relative vapour density			
No data available			
Relative density			

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No data available

Density	
Value	98 g/ml
Reference temperature	20 °C

Solubility in water	
Comments	partly soluble

Solubility	
No data available	

Partition coefficient n-octanol/water (log value)	
No data available	

Kinematic viscosity	
No data available	

Particle characteristics	
No data available	

9.2 Other information

Other information	
No data available.	

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

strong oxidizing agents

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity	
No data available	

Acute dermal toxicity	
No data available	

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation	
No data available	

Serious eye damage/irritation	
No data available	

Respiratory or skin sensitisation	
No data available	

Germ cell mutagenicity	

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No data available
Reproduction toxicity
No data available
Carcinogenicity
No data available
STOT - single exposure
No data available
STOT - repeated exposure
No data available
Aspiration hazard
No data available
Symptoms related to the physical, chemical and toxicological characteristics
The product can cause skin and eye irritation.
Delayed and immediate effects as well as chronic effects from short and long-term exposure
Contact of the product with skin or eyes may cause irritation. Inhalation may lead to irritation of the respiratory tract. Damage to the lungs possible.

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)
No data available
Toxicity to fish (chronic)
No data available
Toxicity to Daphnia (acute)
No data available
Toxicity to Daphnia (chronic)
No data available
Toxicity to algae (acute)
No data available
Toxicity to algae (chronic)
No data available
Bacteria toxicity
No data available

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

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12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information**Other information**

Do not allow to enter soil, waterways or waste water canal.
Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Remove in accordance with local official regulations.

Waste code 12 01 09* machining emulsions and solutions free of halogens

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

Packaging

Completely discharge containers. Do not reuse product container. Uncontaminated packaging may be reused.

Packaging that cannot be cleaned should be disposed off as product waste.

SECTION 14: Transport information**14.1 Transport ADR/RID/ADN**

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulations****Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

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According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances subject to restriction as listed in Annex XVII of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Observe employment restrictions for young people.

Observe employment restrictions for child bearing mothers and nursing mothers.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

EUH066

Repeated exposure may cause skin dryness or cracking.

H304

May be fatal if swallowed and enters airways.

Creation of the safety data sheet

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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