

Trade name: SCANDIBOND

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

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

Relevant identified uses of the substance or mixture

adhesive wax

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
GermanyTelephone 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 numberFor 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 in accordance with Regulation (EC) No 1272/2008 (CLP)**Acute Tox. 4; H302
Eye Dam. 1; H318
Resp. Sens. 1; H334
Skin Irrit. 2; H315
Skin Sens. 1; H317
STOT SE 3; H335**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.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)****Hazard pictograms**

GHS05



GHS07



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

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phthalic-anhydride
ethanediol**Hazard statement(s)**

H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.

Precautionary statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P284 Wear respiratory protection.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
 P501 Dispose of contents/container to a facility in accordance with local and national regulations.

2.3 Other hazards

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	phthalic-anhydride			
	85-44-9 201-607-5 607-009-00-4 -	Acute Tox. 4; H302 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Irrit. 2; H315 Skin Sens. 1; H317 STOT SE 3; H335	> 70.00 - < 90.00	wt%
2	ethanediol			
	107-21-1 203-473-3 603-027-00-1 -	Acute Tox. 4*; H302	> 30.00 - < 50.00	wt%

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

(*, **, ***, ****) Detailed explanation pls. refer to CLP regulation No. 1272/2008, annex VI, 1.2

SECTION 4: First aid measures**4.1 Description of first aid measures****After inhalation**

Ensure supply of fresh air. In case of respiratory arrest induce breathing with a respiratory device. Seek medical advice. In case of breathing difficulties give oxygen. Call a doctor immediately.

After skin contact

When in contact with the skin, clean with soap and water. Change contaminated, saturated clothing.

After eye contact

Call a doctor immediately. In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical assistance.

After ingestion

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Call a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. If individual is drowsy or unconscious, place in recovery position (on left side, with head down).

4.2 Most important symptoms and effects, both acute and delayed

No data available.

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

Compatible with all usual extinguishing media.

Unsuitable extinguishing media

No data available.

5.2 Special hazards arising from the substance or mixture

No data available.

5.3 Advice for firefighters

Use self-contained breathing apparatus. chemical resistant protective clothing should be worn. Run-off water from fire fighting must not be discharged into drains or enter surface water. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Use personal protective clothing.

For emergency responders

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

6.2 Environmental precautions

Do not allow to enter soil, waterways or waste water canal.

6.3 Methods and material for containment and cleaning up

Take up with dust-binding material or using a suitable vacuum cleaner. Clean contaminated surfaces thoroughly with water. Send in suitable containers for recovery or disposal.

6.4 Reference to other sections

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Keep container tightly closed. Provide good ventilation at the work area (local exhaust ventilation, if necessary). Avoid absolutely dust formation and dust deposition. Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Do not eat or drink during work - no smoking. Observe the usual precautions when handling chemicals. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs. Avoid product contact with skin, eyes and clothing; Do not inhale vapours or dust.

Advice on protection against fire and explosion

Dust can form an explosive mixture with air.

7.2 Conditions for safe storage, including any incompatibilities

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Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Keep only in the original container.

Incompatible products

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

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.		
1	phthalic-anhydride	85-44-9	201-607-5		
List of approved workplace exposure limits (WELs) / EH40					
Phthalic anhydride					
	WEL short-term (15 min reference period)	12	mg/m ³		
	WEL long-term (8-hr TWA reference period)	4	mg/m ³		
	Comments	Sen			
2	ethanediol	107-21-1	203-473-3		
2000/39/EC					
Ethylene glycol					
	WEL short-term (15 min reference period)	104	mg/m ³	40	ppm
	WEL long-term (8-hr TWA reference period)	52	mg/m ³	20	ppm
	Skin resorption / sensibilisation	Skin			
List of approved workplace exposure limits (WELs) / EH40					
Ethane-1,2-diol vapour					
	WEL short-term (15 min reference period)	104	mg/m ³	40	ppm
	WEL long-term (8-hr TWA reference period)	52	mg/m ³	20	ppm
	Comments	Sk			
List of approved workplace exposure limits (WELs) / EH40					
Ethane-1,2-diol particulate					
	WEL long-term (8-hr TWA reference period)	10	mg/m ³		
	Comments	Sk			

8.2 Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, local exhaust at the work station if necessary.

Personal protective equipment**Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event that workplace threshold values are not specified. Dust mask

Eye / face protection

Tightly fitting safety glasses (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Wear suitable protective clothing

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Environmental exposure controls
Do not empty into drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State of aggregation	
solid	
Form	
solid	
Colour	
transparent	
Odour	
resinous	
pH value	
No data available	
Boiling point / boiling range	
Value	98 °C
Melting point/freezing point	
Value	41 - 47 °C
Decomposition temperature	
No data available	
Flash point	
Value	263 °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	< 1.0
Reference temperature	71 °C
Relative vapour density	
Value	> 1
Comments	Air = 1
Relative density	
No data available	
Density	
Value	1.35 g/cm ³
Reference temperature	20 °C
Solubility in water	
Comments	insoluble
Solubility	
No data available	
Partition coefficient n-octanol/water (log value)	

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No data available

Kinematic viscosity

No data available

Particle characteristics**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 if stored and handled properly.

10.3 Possibility of hazardous reactions

Exothermic reactions.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Carbon monoxide; carbon dioxide

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 (result of the ATE calculation for the mixture)****No** | **Product Name****1** | **SCANDIBOND**

ATE (Mixture)

500.00

Method

Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6.

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

No data available

Reproduction toxicity

No data available

Carcinogenicity

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No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Contact with the product may cause slight irritations of eyes and skin. Molten material will produce thermal burns. Inhalation may lead to irritation of the respiratory tract.

11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

Worsening of existing pulmonary problems such as asthma, Lungemphysem or bronchitis may occur in case of exposition by inhalation.

Worsening of existing skin diseases may occur.

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.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

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Other information

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

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

Remove in accordance with local official regulations.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Completely discharge containers. Do not reuse product container.

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

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	phthalic-anhydride	85-44-9	201-607-5	75

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.

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Observe employment restrictions for child bearing mothers and nursing mothers.

National regulations

National chemical inventories

EINECS/ELINCS (European Community)	listed
USA (TSCA)	listed
DSL/NDSL (Canada)	listed
ENCS (Japan)	listed
ECL (Korea)	listed
AICS (Australia)	listed

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.

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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