

Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU

2-Naphthoxyacetic acid

Version: 1.0

Revision date: 08.08.2018

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

1.1 Product identifier

Product name: 2-Naphthoxyacetic acid
Synonym: BNOA;2-NOXA;(2-Naphthoxy)acetic acid
EC number: 204-380-0
CAS number: 120-23-0

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

Identified uses: For manufacturing, processing, laboratory or repacking use only

1.3 Details of the supplier of the safety data sheet

Dora Agri-Tech Co., Ltd.
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Changshu, Jiangsu Province, China
Tel: +86 512 52933216
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Website: www.doraagri.com

1.4 Emergency telephone number

Emergency information service: +86 512 52933226

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Classification acc. to GHS			
Section	Hazard class	Hazard class and category	Hazard statement
3.10	acute toxicity (oral)	(Acute Tox. 4)	H302
3.3	serious eye damage/eye irritation	(Eye Irrit. 2)	H319

2.2 Label elements

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

Signal word: Warning

Pictograms



Hazard statements

H302 Harmful if swallowed.
H319 Causes serious eye irritation.

Precautionary statements

Precautionary statements – prevention

P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/eye protection.

Precautionary statements – response

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

There is no additional information.

Safety data sheet

According to Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU

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SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical Name: 2-Naphthoxyacetic acid

CAS No: 120-23-0

EC No: 204-380-0

Molecular formula: C₁₂H₁₀O₃

SECTION 4: First aid measures

4.1 Description of first aid measures



General notes: Take off contaminated clothing.

Inhalation: Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Skin contact: Rinse skin with water/shower. In case of skin irritation, consult a physician.

Eye contact: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Ingestion: Rinse mouth. Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the substance or mixture

Combustible.

Hazardous combustion products

In case of fire may be liberated: carbon monoxide (CO), carbon dioxide (CO₂).

5.3 Advice for firefighters

Do not allow firefighting water to enter drains or water courses. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid contact with skin and eyes. Do not breathe dust.

6.2 Environmental precautions

Keep away from drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up

The contaminated area should be immediately cleaned with an appropriate de-contaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

Safety data sheet

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a dry place. May cause decomposition by long-term light influence.

Keep far away from ignition points

Incompatible substances or mixtures

Keep away from oxidising agents and from highly acidic or alkaline materials.

Consideration of other advice

Ventilation requirements

Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills. Recommended storage temperature: 15 - 25 °C.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggle with side protection.

Skin protection



•hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

• type of material

NBR (Nitrile rubber)

• material thickness

>0,11 mm

• breakthrough times of the glove material

>480 minutes (permeation: level 6)

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection



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Respiratory protection necessary at: Dust formation. Particulate filter device (EN 143). P2 (filters at least 94 % of airborne particles, colour code: White).

Environmental exposure controls

Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Solid

Colour: White

Odour: Odourless

Odour threshold: N.A.

pH: N.A.

Melting point: 155-157 °C

Boiling Point: N.A.

Flash point: N.A.

Evaporation rate: N.A.

Inflammability (solid, gas): N.A.

Lower Explosive Limit: N.A.

Upper Explosive Limit: N.A.

Vapour pressure: N.A.

Vapour density: N.A.

Relative density: N.A.

Solubility: N.A.

Liposolubility: N.A.

Hydrosolubility: N.A.

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Viscosity: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

N.A./N.A.= Not Available/Not Applicable due to the nature of the product

9.2 Other information

There is no additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

Dust explosibility.

10.2 Chemical stability

May cause decomposition by long-term light influence.

10.3 Possibility of hazardous reactions

Violent reaction with: Strong oxidiser, Strong alkali

10.4 Conditions to avoid

Direct light irradiation. Keep away from heat.

10.5 Incompatible materials

There is no additional information

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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Exposure route	Endpoint	Value	Species	Source
oral	LD50	1g/kg	rat	TOXNET
dermal	LD50	>5g/kg	Rab	TOXNET

Skin corrosion/irritation

Not conclusive data for classification.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Not conclusive data for classification.

Summary of evaluation of the CMR properties

Not conclusive data for classification.

Specific target organ toxicity - single exposure

Not conclusive data for classification.

Specific target organ toxicity - repeated exposure

Not conclusive data for classification.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

No information is available regarding the ecotoxicity.

12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential

Does not significantly accumulate in organisms.

n-octanol/water (log KOW) 2,24

12.4 Mobility in soil

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects

No information is available about other adverse effects for the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation. Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: Transport information

Land transport (ADR)

14.1 UN number

Not subject to transport regulations.

14.2 UN proper shipping name

Not relevant.

14.3 Transport hazard class(es)

Not relevant.

14.4 Packing group

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Not relevant.

14.5 Environmental hazards

None. (non-environmentally hazardous acc. to the dangerous goods regulations)

14.6 Special precautions for user

There is no additional information.

14.7 Information for each of the UN Model Regulations

Sea transport (IMDG-Code / GGVSee)

Not subject to IMDG.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Not subject to ADR, RID and ADN.

14.8 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.

SECTION 16 OTHER INFORMATION

16.1 Indication of changes

-Version 1.0

Key literature references and sources for data

- Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU

- Regulation (EC) No. 1272/2008 (CLP, EU GHS)

- International Maritime Dangerous Goods Code (IMDG)

16.2 Training instructions

Not applicable

16.3 Further information

This information is based upon the present stage of our knowledge. This SDS has been compiled and is solely intended for this product.

16.4 Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)

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CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IMDG	International Maritime Dangerous Goods Code
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods)
vPvB	very Persistent and very Bioaccumulative

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H302	Harmful if swallowed
H319	Causes serious eye irritation.

Disclaimer:

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process.



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