

Nicotinic Acid

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 14/09/2010 Revision date: 07/11/2017
Supersedes 06/01/2012

N0611

Version: 2.0

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

1.1. Product identifier

Product form : Substance
Trade name : Nicotinic Acid
EC-No. : 200-441-0
CAS-No. : 59-67-6
REACH registration No : 01-2119968267-24
Product code : N0611
Formula : C₆H₅NO₂
Product group : Raw material

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

1.2.1. Relevant identified uses

Main use category : Professional use
Industrial/Professional use spec : For professional use only. Duchefa Biochemie B.V. products are intended only for "in vitro laboratory" research purposes.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Duchefa Biochemie B.V.
A. Hofmanweg 71
2031 BH Haarlem - The Netherlands
T +31(0)23-5319093 - F +31(0)23-5318027
info@duchefa.nl

1.4. Emergency telephone number

Emergency number : Supplier contact information:
+31(0)23-5319093 (M-F 09:00-17:00)
+31(0)6-30109355 (outside office hours)

Organisation/Company	Address	Comment
World Health Organization world directory of poison centres	http://apps.who.int/poisoncentres/	Consult website for a local poison centre

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation.

Precautionary statements (CLP) :

P262 - Do not get in eyes, on skin, or on clothing.

P280 - Wear eye protection, face protection, protective clothing, protective gloves.

P305+P351 - IF IN EYES: Rinse cautiously with water for several minutes.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : Nicotinic Acid

CAS-No. : 59-67-6

EC-No. : 200-441-0

Name	Product identifier	%
Nicotinic acid	(CAS-No.) 59-67-6 (EC-No.) 200-441-0	> 99

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing.

First-aid measures after skin contact : Seek medical attention if ill effect or irritation develops. Wash skin with plenty of water and soap.

First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : Rinse mouth. Seek medical attention if ill effect develops.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Affects the nervous system. Vomiting. Nausea. Unconsciousness. Reduced blood pressure.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂). Water spray.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : When exposed to heat, may decompose liberating hazardous gases. CO_x. NO_x.

5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Firefighting instructions : Use water spray or fog for cooling exposed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid raising powdered materials into airborne dust.

6.1.1. For non-emergency personnel

Protective equipment : Equip cleanup crew with proper protection.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up dry powder and dispose properly.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, well-ventilated area. Store at ambient temperature. Keep container closed when not in use.

7.3. Specific end use(s)

For professional use only. Duchefa Biochemie B.V. products are intended only for "in vitro laboratory" research purposes.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Nicotinic Acid (59-67-6)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0,14 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,5 mg/m ³

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Nicotinic Acid (59-67-6)	
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0,14 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,25 mg/m ³
Long-term - systemic effects, dermal	0,14 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,077 mg/l
PNEC aqua (marine water)	0,0077 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,1221 mg/kg dwt
PNEC sediment (marine water)	0,0122 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,043 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	8,8 mg/l

8.2. Exposure controls

Hand protection:

Type	Material	Permeation	Thickness (mm)	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,11	EN 374

Eye protection:

Safety glasses (to European standard EN 166 or equivalent)

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

Wear appropriate mask. Filter type P3 (EN 143)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder. Crystalline powder.
Molecular mass	: 123,11 g/mol
Colour	: White.
Odour	: Odourless.
Odour threshold	: No data available
pH	: 2,7 (18 g/l, 20 °C)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 236,6 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 193 °C
Auto-ignition temperature	: > 365 °C
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 4,25
Relative density	: No data available

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Density	: 1,479 g/cm ³ (20 °C)
Solubility	: Water: 18 g/l (20 °C)
Log Pow	: -2,43 (25 °C, OECD Test 107)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Bulk density : $\approx 330 \text{ kg/m}^3$

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions of storage, handling and use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Overheating.

10.5. Incompatible materials

Oxidising agents. Acids. Bases.

10.6. Hazardous decomposition products

According to process conditions, hazardous decomposition products may be generated. COx. NOx.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Nicotinic Acid (59-67-6)	
LD50 oral rat	7000 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Not classified pH: 2,7 (18 g/l, 20 °C)
Serious eye damage/irritation	: Causes serious eye irritation. pH: 2,7 (18 g/l, 20 °C)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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Nicotinic Acid (59-67-6)	
NOAEL (subacute, oral, animal/male, 28 days)	50 mg/kg bodyweight
NOAEL (subacute, oral, animal/female, 28 days)	50 mg/kg bodyweight

Aspiration hazard : Not classified

Other information : See actual entry in RTECS for complete information: QT0525000.

SECTION 12: Ecological information

12.1. Toxicity

Nicotinic Acid (59-67-6)	
LC50 fish 1	520 mg/l (96 h, Oncorhynchus mykiss (Rainbow trout))
EC50 Daphnia 1	77 g/l (Daphnia magna, 48 h)

12.2. Persistence and degradability

Nicotinic Acid (59-67-6)	
Persistence and degradability	Product is biodegradable.
BOD (% of ThOD)	100 % ThOD
Biodegradation	100 %

12.3. Bioaccumulative potential

Nicotinic Acid (59-67-6)	
Log Pow	-2,43 (25 °C, OECD Test 107)
Bioaccumulative potential	No bioaccumulation.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Prevent entry to sewers and public waters

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / IATA / IMDG

ADR	IMDG	IATA
14.1. UN number		
Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name		
Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated

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ADR	IMDG	IATA
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

. Overland transport

Not regulated

- Transport by sea

Not regulated

- Air transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Nicotinic Acid is not on the REACH Candidate List

Nicotinic Acid is not on the REACH Annex XIV List

15.1.2. National regulations

Ensure all national/local regulations are observed.

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 1 or 2; ID No. 1368)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

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NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:

1.4	Emergency number	Modified	
5.1	Suitable extinguishing media	Added	Alcohol resistant foam
8.1	Control parameters	Added	
8.2	Hand protection	Modified	Specified material, thickness, et cetera of gloves
9.1	Flash point	Added	
9.1	Auto-ignition temperature	Added	
11.1	RTECS no	Added	

Abbreviations and acronyms:

ATE	Acute Toxicity Estimate
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DPD	Dangerous Preparations Directive 1999/45/EC
DSD	Dangerous Substances Directive 67/548/EEC
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet

Data sources : ECHA (European Chemicals Agency). Supplier.

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation.

SDS Biochemicals version 2017

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product