

MATERIAL SAFETY DATA SHEET



**Hertz
Flavors**

I. IDENTIFICATION

Product Name: **PRODUCT CODE 04-819 A**
= ANH Nutty Flavour Nr. 91559-T

Form: liquid

Colour: brown

Odour: nutty like

II. PHYSICAL DATA

Specific Gravity 20/20 °C : 1,0220 - 1,0620

Refractive Index 20 °C : 1,4340 - 1,4540

Solubility in Water : () Insoluable
() Moderate
(X) Complete

pH value (at 100 g/l H₂O) (20 °C) : 4,30 - 4,90

Flash point closed up : >102,0 °C

III. PROTECTIVE MEASURES, STORAGE AND HANDLING

1. Technical protective measures
Store in full closed containers in cool and dry place away from sources of heat and ignition. Avoid heating and resulting vapors. Make certain proper grounding procedures as dictated by Good Manufacturing Practice.
2. Personal protective equipment
Respiratory protection : non-required
Eye protection : goggles or face shields
Hand protection : rubber-gloves
Other : eye bath and safety shower
3. Industrial hygiene:
According to attached "Advice on the Industrial Usage of Flavour and Fragrance Materials"
4. Protection against fire and explosion:
Store away from sources of ignition and strong oxidizing agents, avoid heat, sparks and open flame.
5. Disposal:
According to local/state regulations for food stuff/food flavours



IV. FIRE, EXPLOSION AND REACTIVITY INFORMATION

Special firefighting Procedures	: respiratory protection
Unusual Fire and Explosion Hazards	: N/A
Hazardous Combustion or Decomposition Products	: Combustion products may include CO2 and CO
Stability	: stable
Conditions to avoid	: heat, sparks, open flame
Materials to avoid	: strong oxydizing agents
Hazardous Polymerization	: none known

V. SPILL, LEAK AND DISPOSAL PROCEDURES

Small spills can be wiped up with cloth or paper; standard absorbents can be used (sand, sawdust, vermiculite etc.). Incineration or sanitary landfill in accordance with local, State and/or Federal Regulations.

VI. MEASURES IN CASE OF ACCIDENTS AND FIRES

1. Suitable extinguishing media : foam, CO2, dry chemical
2. First aid
 - Inhalation: expose to fresh air
 - Eye contact: flush with water and seek medical attention if irritation persists
 - Skin contact: remove contaminated clothes and wash
 - Ingestion: rinse mouth with water and seek medical attention

VII. INFORMATION ON ECOLOGICAL EFFECTS

PRODUCT CODE 04-819 A is not to be classified as a hazardous product according to environmental regulations, but legislation concerning disposal for chemicals used in food stuff are to be observed.

VIII. TRANSPORT	GGVSee/IMDG code	-/-	GGVE/RID	--
	correct technical name:	EXTRACTS, FLAVOURING, LIQUID		
	GGV Straße/ADR	-/- / -	ICAO/IATA	-/- - L
Other information:		--		

The identity of the individual components of PRODUCT CODE 04-819 A is proprietary information and considered to be a trade secret.

The information provided in this MATERIAL SAFETY DATA SHEET was obtained from current, reputable source. However the data is provided without any warranty, express or implied, regarding its correctness, accuracy and completeness. It is the user's responsibility both to determine safe conditions for use of the above listed product and to assume liability for loss, injury, damage or expense resulting from improper use or application of this product.

Material Safety Data Sheet prepared by Dr. S. Hoppe

Date prepared 06.07.2010

Supersedes previous issued MSD Sheets


1 Identification of the substance/preparation and of the company

1.1 Trade name : **PRODUCT CODE 04-819 A
ANH Nutty Flavour Nr. 91559-T**

1.2 Use: Flavour

1.3 Manufacturer / supplier

Hertz Flavors International GmbH & CO.KG Tel.: +49-40-727 6080
Scholtzstrasse 4 - P.O. Box 1534 Fax : +49-40-722 2569
21455 Reinbek / Germany email : info@hertzflavors.de

1.4 Emergency phone: +49-40-727 6080 (8:30am to 4:30pm) or +49-178 433 7434

2 Hazards identification :

Although this material, by law, is considered a none-hazardous material, safety procedures in handling and disposal of this material should be observed.

3 Composition / information on ingredients

chemical characterisation : preparation of aromatic substances [] Individual substance [x] preparation

4 First aid measures

After skin contact : Remove contaminated clothing. Wash off immediately with plenty of water (and soap).
Consult doctor in case of inflammation of skin.

After eye contact : Wash at once thoroughly and for at least 10 minutes with plenty of water.
Consult ophthalmologist in case of irritation.

After swallowing : Drink plenty of water and expose to fresh air. Consult doctor if feeling unwell.

After inhalation : No unnecessary movement. Fresh air. Consult doctor.

5 Fire-fighting measures

Suitable extinguishing media : Water spray jet, carbon dioxide , dry chemical, foam

Not to be used Water full jet

Special protective equipment : Do not stay in dangerous zone without selfcontained breathing apparatus.



Trade name : PRODUCT CODE 04-819 A

6 Accidental release measures :

6.1 Personal precautions :

Do not inhale vapours / aerosols. Avoid contact with skin and eyes. Ensure adequate ventilation.

6.2 Environmental precautions :

Do not discharge into drains, soil and / or ground water.

6.3 Methods for cleaning up / absorption :

Take up with absorbent material (e.g. general purpose binder). Observe disposal laws.

7 Handling and storage

7.1 Handling :

When used appropriately no special precautions are necessary.

7.2 Storage

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

8 Exposure controls / personal protection

8.1 Specific control parameter :

EC: none.

Keep working place well ventilated.

8.2 Personal protective equipment

Respiratory protection : Required when vapours / aerosols are generated.

Eye protection : Safety goggles

Hand protection : Nitrile-, vinyl- or latex-rubber protective gloves. This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances please contact the supplier of the gloves.

Body protection : Body-covering working clothes in order to prevent smell contamination of the personal clothes. Wash hands after working with substance.

9 Physical and chemical properties

9.1 Appearance

Form : liquid
Colour : brown
Odour : popcorn-nutty like



Trade name : PRODUCT CODE 04-819 A

9.2 Safety Data

pH-value (10% in Water at 20 °C)	: 4,30 - 4,90
flash point	: >102,0 °C
inflammability	: not determined
self-inflammability	: contains no self-inflammable substances
vapour pressure	: not determined
density	: 1,0220 - 1,0620
solubility in Water at 15 °C	: clear liquid

9.3 Other Data :

10 Stability and reactivity

Good stability at ambient temperature. Do not heat closed containers. A reaction with water is not known. Avoid contact with highly oxidizing agents. No dangerous decomposition products are known.

11 Toxicological information

For the preparation itself no toxicological information is available.

12 Ecological information

Product does not contain known persistent and/or non-degradable substances. Contamination of soil, ground water and surface water is to be avoided. For the preparation itself no ecological information is available.

13 Disposal considerations

Product must be disposed in compliance with the current EC- and national regulations. The cleaned product packaging can be passed to a packaging return system. Recommended cleaning agent; Water, if necessary with a cleaning agent.

14 Transport information

14.1 Land transport in accordance to ADR

ADR/RID:	class -	Special instructions:	-
Warning board	-	Packing group :	-
Proper shipping name:	-		
Tunnelcode:	-		
Environmentally hazardous substance:	no		

14.2 Transport by sea in accordance to IMDG

Class IMDG:	-	UN-No.:	-
EMS:	-	Packing group :	-
Marine pollutant :	no		
Proper shipping name:	-		

14.3 Transport by air in accordance to ICAO and IATA-DGR

Class ICAO/IATA:	-	UN-No.:	-
Packing instructions :	-	Packing group :	-
Proper shipping name:	-		
Environmentally hazardous substance:	no		

14.4 Other details :

In case of spillage/leakage observe para 5,6,7 and 8



prepared on: 06.07.2010

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15 Regulatory information

Hazards identification :

Although this material, by law, is considered a none-hazardous material, safety procedures in handling and disposal of this material should be observed.

15.1 Labelling in accordance with EC Directives :

R-phrases : ---

S-phrases : ---

Other details : Although this material, by law, is considered a none-hazardous material, safety procedures in handling and disposal of this material should be observed.

15.2 National regulations :

Water pollution class (WGK) : 1 Self-classification

Disposal Pin No. 020304

Other regulations, limitations and prohibiting ordinances: see para 14 : Transport information

16 Other information

The information provided in this data sheet is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not present a guarantee of the properties of the product.

Data Sheet prepared : Lutz Jachol, certified Food Chemist

revised on : 06.07.2010

(replaces previous Data Sheet)