

# Biphenyl-d10

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0
Revision: 2023-02-02
Replaces version of: 2022-08-08 (GHS 2)

# **SECTION 1: Identification**

#### 1.1 Product identifier

Identification of the substance **Biphenyl-d10**CAS number 1486-01-7

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

Relevant identified uses industrial uses

the product is intended for research, analysis and

scientific education

scientific research and development

product and process oriented research and devel-

opment

laboratory and analytical use

laboratory chemical

# 1.3 Details of the supplier of the safety data sheet

Zeochem AG Joweid 5, CH-8630 Rüti Switzerland Telephone: +41 44 922 93 93

e-Mail: info@zeochem.com / info@zeochem.ch

Website: https://www.zeochem.com

# 1.4 Emergency telephone number

Poison center		
Country	Name	Telephone
Switzerland	Toxzentrum Zürich / Tox. Info Suisse	+41 44 251 51 51 / CH: 145 - 24h/7d
United States	CHEMTREC USA	+1 800 424 9300 - 24h/7d

## **SECTION 2: Hazard(s) identification**

## 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
A.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
A.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
A.8R	specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335

For full text of abbreviations: see SECTION 16.

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

- Signal word warning





# Biphenyl-d10

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0
Replaces version of: 2022-08-08 (GHS 2)

# 2.2.1.2 Pictograms

GHS07	<u>(1)</u>
-------	------------

Hazard statements				
H315	causes skin irritation			
H319	causes serious eye irritation			
H335	may cause respiratory irritation			

	Precautionary statements				
P261	avoid breathing dust/fume/gas/mist/vapors/spray				
P271	use only outdoors or in a well-ventilated area				
P280	wear protective gloves				
P302+P352	if on skin: Wash with plenty of water				
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				
P312	call a poison center/doctor if you feel unwell				
P321	specific treatment (see on this label)				
P362	take off contaminated clothing and wash it before reuse				
P403+P233	store in a well-ventilated place. Keep container tightly closed				
P405	store locked up				
P501	dispose of contents/container in accordance with local/regional/national/international regulations				

### 2.3 Other hazards

Hazards not otherwise classified

Toxic to aquatic life with long lasting effects (GHS category 2: aquatic toxicity - acute and/or chronic).

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.





# **Biphenyl-d10**

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0
Replaces version of: 2022-08-08 (GHS 2)

# **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Name of substance Biphenyl-d10

Identifiers

CAS No 1486-01-7 Purity  $\geq$  90 % Molecular formula C12D10 Molar mass 164  $^{9}$ /mol

## **SECTION 4: First-aid measures**

## 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

# Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

#### Following skin contact

Rinse skin with water/shower.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Symptoms and effects are not known to date.

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

none

### **SECTION 5: Fire-fighting measures**

# 5.1 Extinguishing media

Suitable extinguishing media

Water, Foam, ABC-powder

Unsuitable extinguishing media

Water jet

### 5.2 Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential.





# Biphenyl-d10

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2) Revision: 2023-02-02

#### Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2)

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

### **SECTION 6: Accidental release measures**

# 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

#### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

## 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 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.

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Recommendations

Store in a dry place.

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.



# **Biphenyl-d10**

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2) Revision: 2023-02-02

## Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

# 7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Explosive atmospheres Removal of dust deposits.
- Ventilation requirements
  Use local and general ventilation.
- Packaging compatibilities
  Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

## 7.3 Specific end use(s)

See section 16 for a general overview.

## **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)

Coun- try	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Nota- tion	Source
US	Particulates not otherwise regu- lated		PEL (CA)		10					dust	Cal/ OSHA PEL
US	Particulates not otherwise regu- lated		PEL (CA)		5					r	Cal/ OSHA PEL
US	particulates not otherwise classi- fied		REL							appx-D	NIOSH REL
US	particulates not otherwise classi- fied (PNOC)		PEL	1,766	15					partml, i, dust	29 CFR 1910.10 00
US	particulates not otherwise classi- fied (PNOC)		PEL	530	5					partml, r, dust	29 CFR 1910.10 00
US	biphenyl	92-52-4	TLV®	0.2							ACGIH® 2022
US	biphenyl (diphen- yl) (phenylben- zene)	92-52-4	PEL (CA)	0.2	1.5						Cal/ OSHA PEL
US	diphenyl	92-52-4	REL	0.2 (10 h)	1 (10 h)						NIOSH REL



# **Biphenyl-d10**

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2) Revision: 2023-02-02

# Occupational exposure limit values (Workplace Exposure Limits)

Coun- try	Name of agent	CAS No	Identi- fier		TWA [mg/m³]		Ceiling-C [mg/m³]	Source
US	diphenyl (biphen- yl)	92-52-4	PEL	0.2	1			29 CFR 1910.10 00

Notation

appx-D see Appendix D - Substances with No Established RELs

Ceiling-C ceiling value is a limit value above which exposure should not occur

dust as dust

i inhalable fraction partml particles/ml r respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute peri-

od (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours

time-weighted average (unless otherwise specified

#### Human health values

#### Relevant DNELs and other threshold levels

Endpoint	Threshold level	Protection goal, route of exposure	Used in	Exposure time
DNEL	11.2 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
DNEL	63 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

#### **Environment values**

## Relevant PNECs and other threshold levels

Endpoint	Threshold level	Organism	Environmental compartment	Exposure time
PNEC	0.017 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	freshwater	short-term (single instance)
PNEC	0.002 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	marine water	short-term (single instance)
PNEC	10 <sup>mg</sup> / <sub>l</sub>	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
PNEC	2.69 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	freshwater sediment	short-term (single instance)
PNEC	0.269 <sup>mg</sup> / <sub>kg</sub>	aquatic organisms	marine sediment	short-term (single instance)
PNEC	0.528 <sup>mg</sup> / <sub>kg</sub>	terrestrial organisms	soil	short-term (single instance)

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.



# **Biphenyl-d10**

Classification acc. to 29 CFR 1910.1200

Revision: 2023-02-02

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2)

## Skin protection

- Hand protection
  - Wear protective gloves.
- Type of material

Nitrile

IIR: isobutene-isoprene (butyl) rubber

- Breakthrough times of the glove material
- >30 minutes (permeation: level 2)
- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

## Respiratory protection

Particulate filter device (EN 143).

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

#### **Appearance**

Physical state	solid
Color	white
Odor	characteristic

# Other safety parameters

pH (value)	not applicable
Melting point/freezing point	70 – 72 °C
Initial boiling point and boiling range	255 °C at 101 kPa
Flash point	not applicable
Evaporation rate	not determined
Flammability (solid, gas)	this material is combustible, but will not ignite readily
Explosion limits of dust clouds	not determined
Vapor pressure	0.001 kPa at 25 °C



# Biphenyl-d10

Revision: 2023-02-02

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2)

Density	0.97 <sup>g</sup> / <sub>cm³</sub> at 100 °C
Vapor density	this information is not available

# Solubility(ies)

- Water solubility	≤7.35 <sup>mg</sup> / <sub>l</sub> at 24.6 °C
Water Solubility	27.55 7 46 2 1.0 C

#### Partition coefficient

- n-octanol/water (log KOW)	4.01 (25 °C) (ECHA)	
- Soil organic carbon/water (log KOC)	3.52 (ECHA)	
Auto-ignition temperature	566 °C at 101 kPa (ECHA) (relative self-ignition temperature for solids)	
Viscosity	not relevant (solid matter)	
Explosive properties	none	
Oxidizing properties	none	

#### 9.2 Other information

Temperature class (USA, acc. to NEC 500)	T1 (maximum permissible surface temperature on the equipment: 450°C)

# **SECTION 10: Stability and reactivity**

## 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### 10.2 Chemical stability

See below "Conditions to avoid".

## 10.3 Possibility of hazardous reactions

No known hazardous reactions.

## 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

### 10.5 Incompatible materials

Oxidizers





# Biphenyl-d10

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2) Revision: 2023-02-02

## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

# **SECTION 11: Toxicological information**

# 11.1 Information on toxicological effects

# Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

# **SECTION 12: Ecological information**

# 12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Endpoint	Value	Species	Exposure time
LC50	3 <sup>mg</sup> / <sub>l</sub>	fish	96 h



# Biphenyl-d10

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2) Revision: 2023-02-02

## 12.2 Persistence and degradability

#### Biodegradation

The substance is readily biodegradable.

Process of degradability

Process Degradation rate		Time
oxygen depletion 66 %		14 d

# 12.3 Bioaccumulative potential

The substance fulfills the very bioaccumulative criterion.

n-octanol/water (log KOW)	4.01 (25 °C) (ECHA)		
BCF	1,900 (ECHA)		

### 12.4 Mobility in soil

The Organic Carbon normalised adsorption coefficient	3.52 (ECHA)
--	-------------

#### 12.5 Results of PBT and vPvB assessment

Data are not available.

### 12.6 Endocrine disrupting properties

Information on this property is not available.

#### 12.7 Other adverse effects

Data are not available.

### **SECTION 13: Disposal considerations**

# 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

#### Waste treatment of containers/packages

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.





# Biphenyl-d10

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0
Replaces version of: 2022-08-08 (GHS 2)

# **SECTION 14: Transport information**

14.1 UN number

DOT UN 3077
IMDG-Code UN 3077
ICAO-TI UN 3077

14.2 UN proper shipping name

DOT Environmentally hazardous substance, solid,

n.o.s

IMDG-Code ENVIRONMENTALLY HAZARDOUS SUBSTANCE.

SOLID, N.O.S.

ICAO-TI Environmentally hazardous substance, solid,

n.o.s.

Technical name Biphenyl-d10

14.3 Transport hazard class(es)

DOT 9
IMDG-Code 9
ICAO-TI 9

14.4 Packing group

DOT III IMDG-Code III ICAO-TI III

**14.5 Environmental hazards** hazardous to the aquatic environment

14.6 Special precautions for user

There is no additional information.

# 14.7 Transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

### **Information for each of the UN Model Regulations**

# Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Particulars in the shipper's declaration UN3077, Environmentally hazardous substance,

solid, n.o.s., (Biphenyl-d10), 9, III

Reportable quantity (RQ) 100 lbs (45.4 kg) (Biphenyl-d10)

Danger label(s) 9, fish and tree

Environmental hazards yes (hazardous to the aquatic environment)





# Biphenyl-d10

Revision: 2023-02-02

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2)

Special provisions (SP)

8, 146, 335, 384, A112, B54, B120, IB8, IP3, N20,

N91, T1, TP33

ERG No 171

International Maritime Dangerous Goods Code (IMDG) - Additional information

Marine pollutant Yes (hazardous to the aquatic environment) (Biphenyl-d10)

Danger label(s) 9, fish and tree

Special provisions (SP) 274, 335, 966, 967, 969

Excepted quantities (EQ) E1
Limited quantities (LQ) 5 kg
EmS F-A, S-F

Stowage category A

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards yes (hazardous to the aquatic environment)

Danger label(s) 9, fish and tree

Special provisions (SP) A97, A158, A179, A197, A215

Excepted quantities (EQ) E1
Limited quantities (LQ) 30 kg

## **SECTION 15: Regulatory information**

# 15.1 Safety, health and environmental regulations specific for the product in question

**National regulations (United States)** 

**Toxic Substance Control Act (TSCA)** substance is listed as "ACTIVE"

Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

not listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

Toxics Release Inventory: Specific Toxic Chemical Listings

Name of substance	CAS No	Remarks	Effective date
Biphenyl-d10	92-52-4		1987-01-01





# Biphenyl-d10

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2) Revision: 2023-02-02

# Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

Name of substance	CAS No	Remarks	Statutory code	Final RQ pounds (Kg)
Biphenyl-d10	92-52-4		3	100 (45,4)

Legend

"3" indicates that the source is section 112 of the Clean Air Act

#### **Clean Air Act**

not listed

## **Right to Know Hazardous Substance List**

- Cleaning Product Right to Know Act Substance List (CA-RTK)

Name of substance	CAS No	Functionality	Authoritative Lists
Biphenyl-d10	92-52-4		CA TACs

# - Toxic or Hazardous Substance List (MA-TURA)

Name of substance	CAS No	DEP CODE		De Minimis Concen- tration Threshold
Biphenyl-d10	92-52-4			1.0 %

# - Hazardous Substances List (MN-ERTK)

Name of substance	CAS No	References	Remarks
Biphenyl-d10	92-52-4	A, O	

#### Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH

#### - Hazardous Substance List (NJ-RTK)

Name of substance	CAS No	Remarks	Classifications
Biphenyl-d10	92-52-4		CA

Legend

CA Carcinogenic

### - Hazardous Substance List (Chapter 323) (PA-RTK)

Name acc. to inventory	CAS No	Classification
1,1'-BIPHENYL	92-52-4	E

Legend

E Environmental hazard



O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division



# Biphenyl-d10

Revision: 2023-02-02

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2)

# - Hazardous Substance List (RI-RTK)

Name of substance	CAS No	References
Biphenyl-d10	92-52-4	Т

Legend

Toxicity (ACGIH®)

# California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

not listed

# Industry or sector specific available guidance(s)

#### **NPCA-HMIS® III**

Hazardous Materials Identification System. American Coatings Association.

Category	Rating	Description
Chronic	/	none
Health	2	temporary or minor injury may occur
Flammability	2	material that must be moderately heated or exposed to relatively high ambient tem- peratures before ignition can occur
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

#### **NFPA® 704**

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	2	material that must be moderately heated or exposed to relatively high ambient tem- peratures before ignition can occur
Health	2	material that, under emergency conditions, can cause temporary incapacitation or residual injury
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

#### **National inventories**





# **Biphenyl-d10**

Revision: 2023-02-02

Classification acc. to 29 CFR 1910.1200

Version number: GHS 3.0 Replaces version of: 2022-08-08 (GHS 2)

Country	Inventory	Status
EU	REACH Reg.	substance is listed
US	TSCA	substance is listed

Legend

REACH Reg. REACH registered substances
TSCA Toxic Substance Control Act

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

# SECTION 16: Other information, including date of preparation or last revision

## Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
1.2	scientific education scientific research and development	Relevant identified uses:	yes
9.1	Flash point: not applicable closed cup	Flash point: not applicable	yes
15.1	Toxic Substance Control Act (TSCA): substance is listed	Toxic Substance Control Act (TSCA): substance is listed as "ACTIVE"	yes

### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

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

Code	Text
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

#### **Disclaimer**

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

