

# SAFETY DATA SHEET

Ink cartridge (Magenta)
IP5-312

**OKI DATA INFOTECH CORPORATION** 



# Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier Product Name : Ink cartridge (Magenta)

Product Code: IP5-312

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

Inkjet Ink

1.3 Details of the supplier of the safety data sheet

Manufacturer's Name: OKI Data Infotech Corporation

563, Takatsuka-Shinden, Matsudo-shi, Chiba, 270-2222, Japan

Tel:+81-47-391-2349

Distributor: OKI Europe Ltd. Wide Format Division

Siemensstrase 9, D-63263 Neu-Isenburg

Germany

+49 (0) 6102 297 400

# 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

<Regulation (EC) No. 1272/2008>

Classification

Serious eye damage, Category 1 H318: Causes serious eye damage.

Reproductive toxicity, Category 1B H360Df: May damage the unborn child.

Suspected of damaging fertility.

<1999/45/EC >

Toxic to Reproduction Category 1

R61: May cause harm to the unborn child. R41: Risk of serious damage to eyes.

R62: Possible risk of impaired fertility.

Toxic to Reproduction Category 3 2.2 Label elements

<Regulation (EC) No. 1272/2008>

Hazard pictograms





Signal word: Danger

Hazard statements H318 Causes serious eye damage.

H360Df May damage the unborn child. Suspected of damaging

fertility.

Precautionary statements

Prevention: P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read

and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

Response: P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with

water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER



or doctor/physician.

P308 + P313 IF exposed or concerned: Get medical ad-vice/

attention.

Hazardous components which must be listed on the label:

bis(2-(2-methoxyethoxy)ethyl) ether

γ-butyrolactone

#### 2.3 Other hazards

Vapours may form explosive mixture with air.

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Main Ingredients	Content (%)	CAS-No.	EC-No.	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)
bis(2-(2-methoxyethoxy)ethyl) ether	15-25	143-24-8	205-594-7	Repr.Cat.2; R61 Repr.Cat.3; R62	Repr. 1B; H360Df
Propylene carbonate	10-15	108-32-7	203-572-1	Xi; R36	Eye Irrit. 2; H319
γ-butyrolactone	5-10	96-48-0	202-509-5	Xn; R22 Xi; R41 R67	Acute Tox. 4; H302 Eye Dam. 1; H318 STOT SE 3; H336

Other components (listed on EINECS, NLP or ELINCS) are not hazardous according to the directives mentioned above.

# 4. FIRST-AID MEASURES

4.1 Description of first aid measures

General advice: In the case of accident or if you feel unwell, seek medical

ad-vice immediately.

When symptoms persist or in all cases of doubt seek medical

advice.

Protection of first-aiders: IFirst Aid responders should pay attention to self-protection,

and use the recommended personal protective equipment

when the potential for exposure exists.

If inhaled: If inhaled, remove to fresh air.

Get medical attention if symptoms occur.

In case of skin contact: In case of contact, immediately flush skin with plenty of water.

Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Wash clothing before reuse.

Thoroughly clean shoes before reuse.

In case of eye contact: In case of contact, immediately flush eyes with plenty of water

for at least 15 minutes.

If easy to do, remove contact lens, if worn.

Get medical attention immediately

If swallowed: If swallowed, DO NOT induce vomiting unless directed to do so

by medical personnel. Get medical attention.

Rinse mouth thoroughly with water.

4.2 Most important symptoms and effects, both acute and delayed

Risks: Causes serious eye damage. May damage the unborn child.

Suspected of damaging fertility.

4.3 Indication of any immediate medical attention and special treatment needed



Treatment: Treat symptomatically and supportively

# 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing

Water spray

media:

Alcohol-resistant foam

Dry chemical

Carbon dioxide (CO2)

Unsuitable Extinguishing Media

High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during

fire-fighting:

Do not use a solid water stream as it may scatter and spread

fire.

Flash back possible over considerable distance. Vapours may form explosive mixtures with air.

Exposure to combustion products may be a hazard to health.

Hazardous combustion

prod-ucts:

Carbon oxides

5.3 Advice for firefighters

Special protective equipment In the event of fire, wear self-contained breathing apparatus.

for firefighters:

Use personal protective equipment.

Specific extinguishing

me-thods:

Use extinguishing measures that are appropriate to local

cir-cumstances and the surrounding environment.

Cool containers/tanks with water spray.

Remove undamaged containers from fire area if it is safe to

do so.

Evacuate area.

# 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Remove all sources of ignition.

Use personal protective equipment.

Follow safe handling advice and personal protective

equip-ment recommendations.

6.2 Environmental precautions

Environmental precautions: Discharge into the environment must be avoided.

Prevent further leakage or spillage if safe to do so.

Prevent spreading over a wide area (e.g. by containment or

oil barriers).

Retain and dispose of contaminated wash water.

Local authorities should be advised if significant spillages

cannot be contained.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Non-sparking tools should be used.

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Suppress (knock down) gases/vapours/mists with a water

spray jet.

For large spills, provide dyking or other appropriate contain-ment to keep material from spreading. If dyked material can be pumped, store recovered material in

appropriate container.

Clean up remaining materials from spill with suitable

absor-bent.



Local or national regulations may apply to releases and dis-posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to

deter-mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

#### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

# 7. HANDLING AND STORAGE

# 7.1 Precautions for safe handling

See Engineering measures under EXPOSURE Technical measures:

CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation: Use with local exhaust ventilation.

Use only in an area equipped with explosion proof exhaust

ventilation.

Advice on safe handling: Do not get on skin or clothing.

Do not breathe vapours or spray mist.

Do not swallow. Do not get in eyes.

Handle in accordance with good industrial hygiene and

safety practice.

Keep container tightly closed.

Keep away from heat and sources of ignition.

Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to

the environment.

Hygiene measures: Ensure that eye flushing systems and safety showers are

> located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers:

Keep in properly labelled containers. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national regulations. Keep away from heat

and sources of ignition.

Advice on common storage: Do not store with the following product types:

Strong oxidizing agents

**Explosives** 

Gases

7.3 Specific end use(s)

Specific use(s): No data available

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

y-butyrolactone: End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 130 mg/m3 End Use: Workers

Exposure routes: Inhalation

Potential health effects: Acute systemic effects

Value: 958 mg/m3 End Use: Workers

Exposure routes: Skin contact



Potential health effects: Long-term systemic effects

Value: 19 mg/kg End Use: Consumers Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 28 mg/m3 End Use: Consumers Exposure routes: Inhalation

Potential health effects: Acute systemic effects

Value: 340 mg/m3 End Use: Consumers

Exposure routes: Skin contact

Potential health effects: Long-term systemic effects

Value: 8 mg/kg End Use: Consumers Exposure routes: Ingestion

Potential health effects: Long-term systemic effects

Value: 8 mg/kg

Propylene carbonate

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 176 mg/m3 End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term local effects

Value: 20 mg/m3 End Use: Workers

Exposure routes: Skin contact

Potential health effects: Long-term systemic effects

Value: 50 mg/kg End Use: Consumers

Exposure routes: Skin contact

Potential health effects: Long-term systemic effects

Value: 25 mg/kg End Use: Consumers Exposure routes: Inhalation

Potential health effects: Long-term local effects

Value: 10 mg/m3 End Use: Consumers Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 43.5 mg/m3 End Use: Consumers Exposure routes: Ingestion

Potential health effects: Long-term systemic effects

Value: 25 mg/kg

bis(2-(2-methoxyethoxy)ethyl) ether 
End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 22 mg/m3 End Use: Workers

Exposure routes: Skin contact

Potential health effects: Long-term systemic effects

Value: 3 mg/kg bw/day End Use: Consumers Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Value: 0.5 mg/m3 End Use: Consumers



Exposure routes: Skin contact

Potential health effects: Long-term systemic effects

Value: 0.001 mg/kg bw/day End Use: Consumers Exposure routes: Ingestion

Potential health effects: Long-term systemic effects

Value: 0.001 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

γ-butyrolactone: Fresh water

Value: 0.056 mg/l Marine water Value: 0.0056 mg/l Intermittent use/release Value: 0.56 mg/l

Sewage treatment plant

Value: 452 mg/l Fresh water sediment

Fresh water sedime Value: 0.24 mg/kg Marine sediment Value: 0.02 mg/kg

Soil

Value: 0.0147 mg/kg

Propylene carbonate Sewage treatment plant

Value: 7400 mg/l Fresh water Value: 0.9 mg/l Marine water Value: 0.09 mg/l Intermittent use/release

Value: 9 mg/l

Soil

Value: 0.81 mg/kg

bis(2-(2-methoxyethoxy)ethyl) ether Fresh water

Value: 32 mg/l Marine water Value: 3.2 mg/l

Intermittent use/release

Value: 50 mg/l

Sewage treatment plant

Value: 500 mg/l Fresh water sediment Value: 127 mg/kg Marine sediment Value: 12.7 mg/kg

Soil

Value: 6.7 mg/kg

Oral

Value: 8.32 mg/kg

8.2 Exposure controls

Engineering measures: Minimize workplace exposure concentrations.

Use only in an area equipped with explosion proof exhaust

ventilation.

Use with local exhaust ventilation

Personal protective equipment

Eye protection: Wear the following personal protective equipment:

Chemical resistant goggles must be worn. If splashes are likely to occur, wearFace-shield



Hand protection

Material: Impervious gloves

Flame retardant gloves

Remarks: Choose gloves to protect hands against chemicals depending

on the concentration and quantity of the hazardous sub-stance

and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end

of workday.

Skin and body protection: Select appropriate protective clothing based on chemical

re-sistance data and an assessment of the local exposure

poten-tial.

Wear the following personal protective equipment: Flame retardant antistatic protective clothing.

Skin contact must be avoided by using impervious protective

clothing (gloves, aprons, boots, etc).

Use respiratory protection unless adequate local exhaust Respiratory protection

> ven-tilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Organic vapour type (A) Filter type:

# 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

liquid Appearance: Colour: red

Odour solvent-like

Odour Threshold: No data available pH: No data available Melting point/freezing point: No data available Initial boiling point and No data available

boiling range:

71 °C Flash point:

Method: Seta closed cup

Evaporation rate: No data available Flammability (solid, gas) Not applicable Upper explosion limit: No data available Lower explosion limit: No data available Vapour pressure: No data available Relative vapour density: No data available Density: 1.00 - 1.02 g/cm3

Water solubility: soluble Solubility in other solvents insoluble Partition coefficient: Not applicable

n-octanol/water:

No data available Auto-ignition temperature: Thermal decomposition: No data available No data available Viscosity, dynamic: Explosive properties: Not explosive



Oxidizing properties: The substance or mixture is not classified as oxidizing.

9.2 Other information

No data available

# 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Combustible liquid.

Vapours may form explosive mixture with air.

Can react with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid: Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid: Oxidizing agents

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

# 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely routes Inhalation, Skin contact, Ingestion, Eye contact

of exposure:

Acute toxicity: Not classified based on available information.

< bis(2-(2-methoxyethoxy)ethyl)ether >

Acute oral toxicity: LD50 (Rat): 3,850 mg/kg
Acute dermal toxicity LD50 (Rat): > 6,900 mg/kg

Remarks: Based on data from similar materials

<Propylene carbonate>

Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Acute dermal toxicity LD50 (Rabbit): > 2,000 mg/kg

Assessment: The substance or mixture has no acute dermal toxicity

<y-butyrolactone>

Acute oral toxicity: LD50 (Rat): 1,582 mg/kg
Acute dermal toxicity: LC50 (Rat): > 5.1 mg/l
Exposure time: 4 h

Test atmosphere: dust/mist

Skin corrosion/irritation: Causes skin irritation.

< bis(2-(2-methoxyethoxy)ethyl)ether > Species: Rabbit

Method: OECD Test Guideline 404

Result: No skin irritation

<Propylene carbonate>

Species: Rabbit

Result: No skin irritation

<y-butyrolactone>



Species: Rabbit

Result: No skin irritation

Serious eye damage/eye irritation: Causes serious eye damage.

< bis(2-(2-methoxyethoxy)ethyl)ether >

Species: Rabbit

Method: OECD Test Guideline 405

Result: No eye irritation

<Propylene carbonate>

Species: Rabbit

Method: OECD Test Guideline 405

Result: Irritation to eyes, reversing within 21 days

<γ-butyrolactone>

Species: Rabbit

Method: OECD Test Guideline 405
Result: Irreversible effects on the eye

Respiratory or skin sensitisation

Skin sensitization: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

< bis(2-(2-methoxyethoxy)ethyl)ether >

Test Type: Local lymph node assay (LLNA)

Exposure routes: Skin contact

Species: Mouse

Method: OECD Test Guideline 429

Result: negative

Remarks: Based on data from similar materials

<y-butyrolactone>

Test Type: Local lymph node assay (LLNA)

Exposure routes: Skin contact

Species: Mouse

Method: OECD Test Guideline 429

Result: negative

Germ cell mutagenicity Not classified based on available information.

< bis(2-(2-methoxyethoxy)ethyl)ether >

Genotoxicity in vitro Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

<Propylene carbonate>

Genotoxicity in vitro Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

<γ-butyrolactone>

Genotoxicity in vitro Test Type: Bacterial reverse mutation assay (AMES)

Result: negative

Carcinogenicity Not classified based on available information.

<Propylene carbonate>

Species: Mouse

Application Route: Skin contact



Exposure time: 2 Years Result: negative

<y-butyrolactone>

Rat Species:

Application Route: Ingestion Exposure time: 103 weeks Result: negative

Reproductive toxicity Not classified based on available information.

< bis(2-(2-methoxyethoxy)ethyl)ether >

Effects on fertility Test Type: Reproduction/Developmental toxicity

> screening test Species: Rat

Application Route: Ingestion Method: OECD Test Guideline 421

Result: positive

Effects on foetal Test Type: Embryo-foetal development

Species: Rabbit development

> Application Route: Ingestion Method: OECD Test Guideline 414

Result: positive

Reproductive toxicity -

Assessmen

Clear evidence of adverse effects on development, based on animal experiments., Some evidence of adverse effects on sexual function and fertility, based

on animal experiments.

<Pre><Pre>ropylene carbonate>

Effects on foetal development

Test Type: Embryo-foetal development

Species: Rat, female

Application Route: Ingestion

Result: negative

<γ-butyrolactone>

Effects on fertility Test Type: Combined repeated dose toxicity study with

the reproduction/developmental toxicity screening test

Species: Rat

Application Route: Ingestion Method: OECD Test Guideline 422

Result: negative

Remarks: Based on data from similar materials

Effects on foetal Test Type: Embryo-foetal development development Species: Rat

Application Route: Ingestion

Result: negative

Not classified based on available information. STOT - single exposure:

<y-butyrolactone>

Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure: Not classified based on available information.

Repeated dose toxicity

< bis(2-(2-methoxyethoxy)ethyl)ether >

Species: Rat

NOAEL: 250 mg/kg **Application Route:** inhalation Exposure time: 28 d



Method: OECD Test Guideline 407

Remarks: Based on data from similar materials

<Propylene carbonate>

Species: Rat

NOAEL: > 5,000 mg/kg

Application Route: Ingestion Exposure time: 90 d

<y-butyrolactone>

Species: Rat

NOAEL: 225 mg/kg
Application Route: Ingestion
Exposure time: 13 w

Aspiration toxicity: Not classified based on available information.

# 12. ECOLOGICAL INFORMATION

# 12.1 Toxicity

< bis(2-(2-methoxyethoxy)ethyl)ether >

Toxicity to fish: LC50 (Danio rerio (zebra fish)): > 5,000 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Remarks: Based on data from similar materials Toxicity to daphnia and other aquatic EC50 (Daphnia magna (Water flea)): 7,467 mg/l

invertebrates: Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae EC50 (Pseudokirchneriella subcapitata (green algae)): 2,814

mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)):

625mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Toxicity to bacteria: EC10 : >= 5,000 mg/l

Exposure time: 3 h

Method: OECD Test Guideline 209

Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic NOEC: 320 mg/l invertebrates (Chron-ic toxicity): Exposure time: 21 d

Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

<Propylene carbonate>

Toxicity to fish: LC50 (Cyprinus carpio (Carp)): > 1,000 mg/l

Exposure time: 96 h

Toxicity to daphnia and other aquatic EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

invertebrates: Exposure time: 48 h

Toxicity to algae: ErC50 (Desmodesmus subspicatus (green algae)): > 900 mg/l

Exposure time: 72 h

Toxicity to bacteria: EC50 (Pseudomonas putida): 25,619 mg/l

Exposure time: 16 h

<γ-butyrolactone>

Toxicity to fish: LC50 (Lepomis macrochirus (Bluegill sunfish)): 56 mg/l



Exposure time: 96 h

Toxicity to daphnia and other aquatic EC50 (Daphnia magna (Water flea)): > 500 mg/l

invertebrates: Exposure time: 48 h

Toxicity to algae: EC50 (Desmodesmus subspicatus (green algae)): > 500 mg/l

Exposure time: 72 h

NOEC (Desmodesmus subspicatus (green algae)): 31.25 mg/l

Exposure time: 72 h

Toxicity to bacteria: IC50 : 4,518 mg/l

Exposure time: 40 h

12.2 Persistence and degradability

< bis(2-(2-methoxyethoxy)ethyl)ether >

Biodegradability: Result: Inherently biodegradable.

Biodegradation: > 70 % Exposure time: 28 d

Method: OECD Test Guideline 302B

Remarks: Based on data from similar materials

<Propylene carbonate>

Biodegradability: Result: Readily biodegradable

Biodegradation: 87.7 % Exposure time: 29 d

Method: OECD Test Guideline 301B

<y-butyrolactone>

Biodegradability: Result: Readily biodegradable.

Biodegradation: 77 % Exposure time: 14 d

Method: OECD Test Guideline 301C

12.3 Bioaccumulative potential

< bis(2-(2-methoxyethoxy)ethyl)ether >

Partition coefficient: n-octanol/water: log Pow: -0.84

<Propylene carbonate>

Partition coefficient: n-octanol/water: log Pow: -0.41

<y-butyrolactone>

Partition coefficient: n-octanol/water: log Pow: -0.566

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Not relevant

12.6 Other adverse effects

No data available

# 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: Dispose of in accordance with local regulations.

According to the European Waste Catalogue, Waste Codes

are not product specific, but application specific.

Waste codes should be assigned by the user, preferably in

discussion with the waste disposal authorities.

Contaminated packaging: Dispose of as unused product.

Empty containers should be taken to an approved waste

han-dling site for recycling or disposal.

Do not burn, or use a cutting torch on, the empty drum.



# 14. TRANSPORT INFORMATION

# 14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable for product as supplied.

# 15. REGULATORY INFORMATION

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

Regulation (EC) No 649/2012 of the European Parlia-ment Not applicable and the Council concerning the export and import of dangerous chemicals:

REACH - Candidate List of Substances of Very High Concern Not applicable for Authorisation (Article 59).:

Regulation (EC) No 1005/2009 on substances that dep-lete 
Not applicable

the ozone layer: Regulation (EC) No 850/2004 on persistent organic

Not applicable

pol-lutants:

Seveso II - Directive 2003/105/EC amending Council Directive Not applicable 96/82/EC on the control of major-accident hazards involving dangerous substances:

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

#### **16. OTHER INFORMATION**

Full text of R-Phrases

R22:Harmful if swallowed.

R36:Irritating to eyes.

R41:Risk of serious damage to eyes.

R61:May cause harm to the unborn child.

R62:Possible risk of impaired fertility.

R67:Vapours may cause drowsiness and dizziness.

# Full text of H-Statements

H302: Harmful if swallowed.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H336:May cause drowsiness or dizziness.

H360Df:May damage the unborn child. Suspected of damaging fertili-ty.



Full text of other abbreviations

Acute Tox.: Acute toxicity.

Eye Dam.: Serious eye damage.

Eye Irrit. Eye irritation

Repr. Reproductive toxicity

STOT SE: Specific target organ toxicity - single exposure.

Further information

Sources of key data used to compile the Safety Data Sheet:

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agen-cy, http://echa.europa.eu/

The information provided in this Safety Data Sheet is correct to the best of our knowledge, infor-mation and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Ma-terial users should review the information and recommendations in the specific context of their in-tended manner of handling, use, processing and storage, including an assessment of the appro-priateness of the SDS material in the user's end product, if applicable.