

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 09-Aug-2017

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Version: 4

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CURTIS HiSpeed 64 M

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

1.1. Product identifier

Trade name/designation:

CURTIS HiSpeed 64 M

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

Use of the substance/mixture:

Water-miscible coolant lubricant

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Curtis Systems GmbH

Geheimrat-Hummel-Platz Nr. 4

65239 Hochheim

Germany

Telephone: 0614690738-0

Telefax: 061469073845

E-mail: info@curtis-systems.de

E-mail (competent person): weimer@curtis-systems.de

1.4. Emergency telephone number

Technical department: , 06146-90738-33 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard components for labelling:

2-octyl-2H-isothiazol-3-one

hazard statements for health hazards	
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statements Prevention	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264.1	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.

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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.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

Mixture of mineral oil and additives.

Additional information:

Substance with a common (EC) occupational exposure limit value. See section 8.

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 122-99-6 EC No.: 204-589-7 REACH No.: 01-2119488943-21-0000	2-phenoxyethanol Acute Tox. 4, Eye Irrit. 2 Warning H302-H319	5 - 10 Wt %
CAS No.: 68608-26-4 EC No.: 271-781-5	Sulfonic acids, petroleum, sodium salts	5 - 10 Wt %
CAS No.: 68920-66-1 EC No.: 500-236-9 REACH No.: 01-2119489407-26-0000	Alcohols, C16-18 and C18-unsatd., ethoxylated Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 3 H315-H400-H412	1 - 5 Wt %
CAS No.: 26530-20-1 EC No.: 247-761-7	2-octyl-2H-isothiazol-3-one Skin Corr. 1B, Acute Tox. 3, Acute Tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 Danger H302-H311-H314-H317-H331-H410	0.05 - 0.5 Wt %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

When in doubt or if symptoms are observed, get medical advice.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation:

Following inhalation - Provide fresh air.

In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

In case of skin irritation, consult a physician.

After eye contact:

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion:

Let water be drunken in little sips (dilution effect).

Do NOT induce vomiting.

Call a physician immediately.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Suitable extinguishing media Sand alcohol resistant foam Extinguishing powder Dry extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂) Nitrogen oxides (NO_x) Sulphur oxides

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.
Evacuate area.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.
Avoid contact with skin, eyes and clothes.
Special danger of slipping by leaking/spilling product.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Cover drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Collect in closed containers for disposal.

6.4. Reference to other sections

Personal protection equipment: see section 8
Disposal: see section 13

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

All work processes must always be designed so that the following is as low as possible: Inhalation Skin contact Eye contact
Always close containers tightly after the removal of product.

Fire prevent measures:

Usual measures for fire prevention.

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Environmental precautions:

Shafts and sewers must be protected from entry of the product.
Provide for retaining containers, eg. floor pan without outflow.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Ensure adequate ventilation of the storage area.

Requirements for storage rooms and vessels:

Keep container tightly closed. Provide for retaining containers, eg. floor pan without outflow.
Keep/Store only in original container.
Floors should be impervious, resistant to liquids and easy to clean.

Hints on storage assembly:

Materials to avoid: Oxidising agent

Storage class: 10 - Combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Further information on storage conditions Protect against: Heat Frost
Recommended storage temperature 15-25 °C
storage stability max. 1 year.

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
DFG (DE)	2-phenoxyethanol CAS No.: 122-99-6	① 1 ppm (5.7 mg/m ³)
TRGS 900 (DE)	2-phenoxyethanol CAS No.: 122-99-6	① 20 ppm (110 mg/m ³) ② 40 ppm (220 mg/m ³) ⑤ Kann über die Haut aufgenommen werden.
TRGS 900 (DE)	2-octyl-2H-isothiazol-3-one CAS No.: 26530-20-1	① 0.05 mg/m ³ ② 0.1 mg/m ³ ⑤ (einatembare Fraktion), Kann über die Haut aufgenommen werden.

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Alcohols, C16-18 and C18-unsatd., ethoxylated CAS No.: 68920-66-1	294 mg/m ³	① DNEL worker ② DNEL long-term inhalative (systemic)
Alcohols, C16-18 and C18-unsatd., ethoxylated CAS No.: 68920-66-1	2,080 mg/kg	① DNEL worker ② DNEL long-term dermal (systemic)

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Substance name	PNEC Value	① PNEC type
Alcohols, C16-18 and C18-unsatd., ethoxylated CAS No.: 68920-66-1	0.002 mg/l	① PNEC aquatic, freshwater
Alcohols, C16-18 and C18-unsatd., ethoxylated CAS No.: 68920-66-1	0.002 mg/l	① PNEC aquatic, marine water
Alcohols, C16-18 and C18-unsatd., ethoxylated CAS No.: 68920-66-1	6.33 mg/kg	① PNEC sediment, freshwater

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

8.2.2. Personal protection equipment



Eye/face protection:

Tightly sealed safety glasses.

Skin protection:

Hand protection: Tested protective gloves must be worn - In case of prolonged or frequently repeated skin contact:

Suitable material: Suitable material: NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber)

Thickness of the glove material: 0,7 mm

Breakthrough time (maximum wearing time): > 480

Respiratory protection:

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at: exceeding exposure limit values, insufficient ventilation, aerosol or mist formation

Other protection measures:

Do not put any product-impregnated cleaning rags into your trouser pockets.

Set out skin protection guidelines. Before starting work, apply water-resistant skincare preparations.

Avoid contact with skin, eyes and clothes.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: brown

Odour: characteristic

Safety relevant basis data

parameter		at °C	Method	Remark
pH	9 - 9.1	20 °C		Gehalt an gelöster Substanz: 5%
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	> 100 - 0 °C		DIN EN ISO 25 92	
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			

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parameter		at °C	Method	Remark
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Relative density	0.98 g/cm ³	15 °C	DIN EN ISO 12185	
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>	20 °C	DIN EN ISO 3104	
Kinematic viscosity	≈ 230 mm ² /s	20 °C	DIN EN ISO 3104	

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no data available on the mixture itself.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Protect against: Heat Frost

10.5. Incompatible materials

Materials to avoid Oxidising agent

10.6. Hazardous decomposition products

No decomposition under normal conditions.

Combustion products:

Carbon dioxide. Carbon monoxide Nitrogen oxides (NO_x) Sulphur oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
122-99-6	2-phenoxyethanol	LD₅₀ oral: 1,850 ml/kg (Ratte) LD₅₀ dermal: 2,000 mg/kg (Kaninchen)

Acute oral toxicity:

Toxicological data are not available.

The statement is derived from the properties of the single components.

Acute dermal toxicity:

Toxicological data are not available.

The statement is derived from the properties of the single components.

Acute inhalation toxicity:

Toxicological data are not available.

The statement is derived from the properties of the single components.

Skin corrosion/irritation:

There are no data available on the preparation/mixture itself.

slightly irritant but not relevant for classification.

The statement is derived from the properties of the single components.

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Serious eye damage/irritation:

There are no data available on the mixture itself.
strongly irritant.

The statement is derived from the properties of the single components.

Respiratory or skin sensitisation:

May cause sensitization by skin contact.

Ingredient 2-Octyl-2H-isothiazolin-3-one

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Not known.

STOT-repeated exposure:

Not known.

Aspiration hazard:

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

There are no data available on the mixture itself.

The ecotoxicological properties of this mixture are determined by the ecotoxicological properties of the single components (see section 3).

CAS: 68920-66-1

Acute (short-term) fish toxicity

LC50: Brachydanio rerio (zebra-fish) 10 - 100 mg/l / 96 h OECD 203

EC50: Daphnia magna (Big water flea) 51 mg/l / 48 h OECD 202

EC50: Scenedesmus subspicatus > 100 mg/l / 72 h

Assessment/classification:

harmless to aquatic organisms up to the tested concentration

12.2. Persistence and degradability

Biodegradation:

Part of the components is biodegradable.

12.3. Bioaccumulative potential

Accumulation / Evaluation:

No indication of bioaccumulation potential.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

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13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

12 01 09 *	machining emulsions and solutions free of halogens
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*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation.

Appropriate disposal / Package:

Dispose of waste according to applicable legislation. Delivery to an approved waste disposal company.

Non-contaminated packages may be recycled.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class (WGK)

WGK:

2 - deutlich wassergefährdend

15.2. Chemical Safety Assessment

No information available.

15.3. Additional information

No data available

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SECTION 16: Other information

16.1. Indication of changes

(previous version: 2015.1)

09.08.2017 Version 2017.1

Indication of changes

SECTION 2: Hazards identification

SECTION 3: Composition / information on ingredients

SECTION 8: Exposure controls/personal protection

SECTION 11: Toxicological information

SECTION 12: Ecological information

16.2. Abbreviations and acronyms

See overview table at www.euphrac.eu

16.3. Key literature references and sources for data

No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available