

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 28.08.2026

Version number 1

Revision: 28.08.2026

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

1.1 Product identifier

- Trade name: **SPEC-X BIKE 4T STREET 5W-40**
- UFI: D3D1-8089-V006-WY2K

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

No further relevant information available.

- Application of the substance / the mixture Lubricating oil

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Hermann Hartje KG
Deichstraße 120-122
D-27318 Hoya
Tel.: +49 4251/811-40
Fax: +49 4251/811-179
E-Mail: moto@hartje.de
Website: www.hartje.de

- Informing department: Product Management

1.4 Emergency telephone number:

Phone +49 (4251) - 811 40
(Office hours 9:00 - 16:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Additional information:

The full text of the classification and labelling elements mentioned is given in Section 16.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS07

- Signal word Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Additional information:

EUH208 Contains Calcium alkaryl sulphonate. May produce an allergic reaction.

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **Determination of endocrine-disrupting properties**
The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below, possibly with undeclared additives.

- **Dangerous components:**

CAS: 64742-54-7 EINECS: 265-157-1 Index number: 649-467-00-8 Reg.nr.: 01-2119484627-25-X	Distillates (petroleum), hydrotreated heavy paraffinic ⚠ Asp. Tox. 1, H304	25 - 100%
CAS: 68784-31-6 EINECS: 272-238-5 Reg.nr.: 01-2119657973-23-X	ZnDTP ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411	≥ 1 - < 2.5%
CAS: 722503-68-6 EC number: 682-816-2	Calcium alkaryl sulphonate ⚠ Skin Sens. 1B, H317; ⚠ Aquatic Chronic 4, H413	≥ 0.1 - < 1%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information**
If symptoms occur or in case of doubt consult a doctor.
Remove contaminated clothing immediately.
If victim is unconscious: Victim to lie down and be transported in the recovery position. If required, provide artificial respiration.
Personal protection for the First Aider.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Instantly wash with water and soap and rinse thoroughly.
In case of skin irritations or sensitizing effects, consult doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water. Remove contact lenses if necessary and possible.
Continue rinsing. Call a doctor immediately.
Use eye protection.
- **After swallowing**
Rinse out mouth.
In case of persistent symptoms consult doctor.
- **Information for doctor**
The treatment should depend on the symptoms and be oriented to mitigate the effects.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

EU

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam. Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
Can be released in case of fire:
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)
Inhalation of combustion gases may cause serious health hazards.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained breathing apparatus.
Wear full protective suit.
- **Additional information**
Remove goods in stock from incendiary zone, if possible.
Collect contaminated fire fighting water separately. It must not enter drains. Provide sufficient fire fighting water retention.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
- **For non-emergency personnel**
Avoid contact with the product.
Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
- **For emergency responders** Put on suitable personal protective equipment.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, ground/soil and water bodies.
In the event of significant quantities entering the soil/sewerage system/watercourses, notify the authorities.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special precautions necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Handling**
Do not eat, drink or smoke while working.
Wash hands during breaks and at the end of the work.
Avoid direct contact with eyes, skin and clothing.
Do not carry cleaning cloths impregnated with the product in trouser pockets.

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7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Only store in suitable containers (e.g. containers authorised under dangerous goods legislation).

Information about storage in one common storage facility:

Keep away from strongly acidic or alkaline materials and oxidising agents.

Keep away from food, drink and animal feeding stuffs.

Further information about storage conditions:

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

Protect from frost.

Protect from heat and direct sunlight.

Protect from humidity and keep away from water.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

Oral	DNEL (consumer, long-term, systemic)	0.74 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	0.97 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	2.73 mg/m ³ (human)
	DNEL (worker, long-term, local)	5.58 mg/m ³ (human)

CAS: 68784-31-6 ZnDTP

Oral	DNEL (consumer, short-term, systemic)	29 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	0.21 mg/kg bw/day (human)
Dermal	DNEL (worker, short-term, systemic)	100 mg/kg bw/day (human)
	DNEL (worker, long-term, systemic)	10.42 mg/kg bw/day (human)
	DNEL (consumer, short-term, systemic)	50 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	2.1 mg/kg bw/day (human)
Inhalative	DNEL (worker, short-term, systemic)	496.4 mg/m ³ (human)
	DNEL (worker, long-term, systemic)	2.93 mg/m ³ (human)
	DNEL (consumer, short-term, systemic)	198.6 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	11.75 mg/m ³ (human)

PNECs

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

PNEC oral	9.33 mg/kg food (.)
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CAS: 68784-31-6 ZnDTP

PNEC aqua (fresh water)	0.004 mg/L (.)
PNEC Water (marine water)	0.0046 mg/L (.)
PNEC STP - Sewage Treatment Plant	3.8 mg/L (.)
PNEC soil	0.055 mg/kg soil dw (.)
PNEC sediment (fresh water)	0.07 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.007 mg/kg sedim. dw (.)
PNEC oral	8.33 mg/kg food (.)

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· **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures should be adhered to general rules for handling chemicals.

· **Breathing equipment:** Not required when used as intended.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact gloves made of the following materials are suitable:**

Nitrile rubber, NBR

PVC gloves

Chloroprene rubber, CR

In case of a layer thickness of > 0.4 mm the penetration time is longer than 480 minutes.

· **Eye/face protection**



Safety glasses

· **Body protection:**



Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· **General Information**

· **Physical state**

Liquid

· **Colour:**

Red

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined

· **Melting point/freezing point:**

-39 °C

· **Boiling point or initial boiling point and boiling range**

> 207 °C (CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic)

· **Flammability**

Not applicable

· **Lower and upper explosion limit**

· **Lower:**

Not determined

· **Upper:**

Not determined

· **Flash point:**

228 °C

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· Auto-ignition temperature:	Product is not selfigniting.
· Decomposition temperature:	Not determined
· SADT	
· pH	Not determined
· Viscosity:	
· Kinematic viscosity at 40 °C	94 mm ² /s
· dynamic:	Not determined
· Solubility	
· Water:	Not miscible or difficult to mix
· Partition coefficient n-octanol/water (log value)	Not determined
· Vapour pressure:	Not determined
· Density and/or relative density	
· Density at 15 °C	0.952 g/cm ³
· Relative density	Not determined
· Vapour density	Not determined
· Particle characteristics	No further details.
9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Change in condition	
· Evaporation rate	Not determined
Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	No statement can be made on this point due to a lack of studies on the product.
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

· **10.2 Chemical stability**

The product is stable under normal handling and storage conditions (see section 7).

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- **Information on the shelf life** The product is stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
 - acid
 - Oxidizing agents.
 - Reducing agents
- **10.6 Hazardous decomposition products:**
 - None in case of intended use and storage in compliance with instructions.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

Oral LD50 > 5,000 mg/kg (Rat) (OECD 401)

Dermal LD50 > 5,000 mg/kg (rabbit) (OECD 402)

CAS: 68784-31-6 ZnDTP

Oral LD50 2,900 mg/kg (Rat) (OECD 401)

Dermal LD50 > 5,000 mg/kg (rabbit) (OECD 402)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

· Additional toxicological information:

· Repeated dose toxicity

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

Oral LOAEL (90d) 125 mg/kg bw/day (Rat) (OECD 408)

Dermal NOAEL (28d) 1,000 mg/kg bw/day (rabbit) (OECD 410)

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic

EC50 (static) > 10,000 mg/l/48h (Daphnia magna) (OECD 202)

LC50 (static) > 100 mg/l/96h (Pimephales promelas) (OECD 203)

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EC50 (static)	> 100 mg/l/72h (Raphidocelis subcapitata) (OECD 201)
NOEC (static)	> 10,000 mg/l/48h (Daphnia magna) (OECD 202)
NOEC (static)	> 100 mg/l/72h (Raphidocelis subcapitata) (OECD 201)
NOEC (static)	> 100 mg/l/96h (Pimephales promelas) (OECD 203)

CAS: 68784-31-6 ZnDTP

EC50	380 mg/l/16h (Pseudomonas putida) (DIN EN ISO 10712)
LC50	46 mg/l/96h (Cyprinodon variegatus) (OECD 203)
NOEC	0.4 mg/l/21d (Daphnia magna) (OECD 211)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** There are no data available about the preparation.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
The waste code numbers mentioned are recommendations based on the probable use of the product.

European waste catalogue	
07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 04*	other organic solvents, washing liquids and mother liquors

- **Uncleaned packagings:**
- **Recommendation:**
Dispose of packaging according to regulations on the disposal of packagings.
Non contaminated packagings can be used for recycling.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|------------------------------|------|
| 14.1 UN number or ID number | |
| ADR/RID, IMDG, IATA | Void |
| 14.2 UN proper shipping name | |
| ADR/RID, IMDG, IATA | Void |

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· 14.3 Transport hazard class(es)	
· ADR/RID, ADN, IMDG	
· Class	Void
· IATA	
· Class	Void Not Restricted.
· 14.4 Packing group	
· ADR/RID, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable
· 14.6 Special precautions for user	Not applicable
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations**

· **Water hazard class:**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

· **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

· **Classification according to Regulation (EC) No 1272/2008** Calculation method

· **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:

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· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1B: Skin sensitisation – Category 1B

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

· **Sources** The basis for the preparation of this safety data sheet are the information provided by the distributor.

EU