

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### 4720 Power rust dissolver ICE Spray 250 ml

Revision date: 06.02.2024

Product code: 70587

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

### 1.1. Product identifier

4720 Power rust dissolver ICE Spray 250 ml

UFI: X7G9-T6R0-N00Q-98E7

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

### 1.3. Details of the supplier of the safety data sheet

Company name: Kisling (Deutschland) GmbH  
Street: Salzstraße 15  
Place: D-74676 Niedernhall  
Telephone: +49 7940 50961 61  
E-mail: technical.support@kisling.com  
Contact person: Dr. Hans Götz Telephone: +49 7940 5096 143  
E-mail: compliance@kisling.com  
Internet: www.kisling.com

### 1.4. Emergency telephone number:

24 hr. emergency phone number +1 872 5888271 (KAR)  
Medicines & Poisons Info Office +356 2545 6508

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosol 1; H222-H229

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

Regulation (EC) No 1272/2008

Signal word: Danger

Pictograms:



#### Hazard statements

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

#### Precautionary statements

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 2.3. Other hazards

No data available

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
107-98-2	1-methoxy-2-propanol			1 - < 5 %
	203-539-1	603-064-00-3	01-2119457435-35	
	Flam. Liq. 3, STOT SE 3; H226 H336			
123-54-6	pentane-2,4-dione			1 - < 5 %
	204-634-0	606-029-00-0	01-2119458968-15	
	Flam. Liq. 3, Acute Tox. 3, Acute Tox. 3, Acute Tox. 4; H226 H331 H311 H302			
119-36-8	methyl salicylate			0.1 - < 1 %
	204-317-7	607-749-00-8	01-2119515671-44	
	Repr. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1B, Aquatic Chronic 3; H361d H302 H318 H317 H412			

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
107-98-2	203-539-1	1-methoxy-2-propanol	1 - < 5 %
		dermal: LD50 = > 2000 mg/kg; oral: LD50 = 4277 mg/kg	
123-54-6	204-634-0	pentane-2,4-dione	1 - < 5 %
		inhalation: LC50 = 3 mg/l (vapours); inhalation: ATE = 0.5 mg/l (dusts or mists); dermal: LD50 = 790 mg/kg; oral: LD50 = 760 mg/kg	
119-36-8	204-317-7	methyl salicylate	0.1 - < 1 %
		oral: ATE 890 mg/kg	

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection! Never give anything by mouth to an unconscious person or a person with cramps. Remove contaminated, saturated clothing immediately.

##### After inhalation

Remove casualty to fresh air and keep warm and at rest. Consult a doctor immediately in the case of inhaling spray mist and show him packing or label. Put victim at rest, cover with a blanket and keep warm.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

##### After contact with eyes

Protect uninjured eye. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### After ingestion

Seek medical advice immediately. Do NOT induce vomiting. Rinse mouth thoroughly with water. If unconscious but breathing normally, place in recovery position and seek medical advice.

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

No data available

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

No data available

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#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### **Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Dry extinguishing powder,, alcohol resistant foam, Water spray.

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

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>) Carbon monoxide Sulphur oxides

##### 5.3. Advice for firefighters

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

##### **Additional information**

In case of fire and/or explosion do not breathe fumes. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Heating causes rise in pressure with risk of bursting.

#### SECTION 6: Accidental release measures

##### 6.1. Personal precautions, protective equipment and emergency procedures

###### **General advice**

Remove all sources of ignition.

##### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

##### 6.3. Methods and material for containment and cleaning up

###### **Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

#### SECTION 7: Handling and storage

##### 7.1. Precautions for safe handling

###### **Advice on safe handling**

Use only in well-ventilated areas. Keep away from sources of ignition - No smoking. Flammable vapours can accumulate in head space of closed systems. Caution! Transport usually takes place at temperatures above the flash point.

###### **Advice on protection against fire and explosion**

Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

###### **Advice on general occupational hygiene**

Do not breathe gas/vapour/aerosol. Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

##### 7.2. Conditions for safe storage, including any incompatibilities

###### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

###### **Hints on joint storage**

Do not store together with: Material, oxygen-rich, Oxidising. Pyrophoric or self-heating substances.

###### **Further information on storage conditions**

No hazardous reaction when handled and stored according to provisions.  
storage temperature: 5°C - 25°C Keep away from heat.

##### 7.3. Specific end use(s)

No data available

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

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#### 8.1. Control parameters

##### Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	
		150	568		STEL (15 min)	

##### DNEL/DMEL values

CAS No	Name of agent	Exposure route	Effect	Value
107-98-2	1-methoxy-2-propanol			
	Worker DNEL, long-term	inhalation	systemic	369 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	553,5 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	553,5 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	183 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	43,9 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	78 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	33 mg/kg bw/day
123-54-6	pentane-2,4-dione			
	Worker DNEL, long-term	inhalation	systemic	84 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	12 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	7 mg/kg bw/day
119-36-8	methyl salicylate			
	Worker DNEL, long-term	inhalation	systemic	9.87 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	systemic	285 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	2.8 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	1.74 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	systemic	213 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	1 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0.5 mg/kg bw/day
	Consumer DNEL, acute	oral	systemic	5 mg/kg bw/day

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#### PNEC values

CAS No	Name of agent		Value
Environmental compartment			
107-98-2	1-methoxy-2-propanol		
Freshwater			10 mg/l
Freshwater (intermittent releases)			100 mg/l
Marine water			1 mg/l
Freshwater sediment			52,3 mg/kg
Marine sediment			5,2 mg/kg
Micro-organisms in sewage treatment plants (STP)			100 mg/l
Soil			4,59 mg/kg
123-54-6	pentane-2,4-dione		
Freshwater			0,2 mg/l
Freshwater (intermittent releases)			0,26 mg/l
Marine water			0,02 mg/l
Freshwater sediment			1,909 mg/kg
Marine sediment			0,191 mg/kg
Micro-organisms in sewage treatment plants (STP)			1,32 mg/l
Soil			0,193 mg/kg
119-36-8	methyl salicylate		
Freshwater			0.0016 mg/l
Freshwater (intermittent releases)			0.016 mg/l
Marine water			0.00016 mg/l
Freshwater sediment			0.041 mg/kg
Marine sediment			0.004 mg/kg
Micro-organisms in sewage treatment plants (STP)			140 mg/l
Soil			0.007 mg/kg

#### Additional advice on limit values

SECTION 16: Other information

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye/face protection.

##### Hand protection

Thickness of the glove material >0,4 mm; >480 min

Neoprene

Thickness of the glove material >0,4 mm; >480 min

EN ISO 374

##### Skin protection

Wear suitable protective clothing.

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#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Do not allow to enter into surface water or drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	yellow
Odour:	characteristic
Boiling point or initial boiling point and boiling range:	-42 °C
Lower explosion limits:	1,4 vol. %
Upper explosion limits:	15 vol. %
Flash point:	-104 °C
Auto-ignition temperature:	365 °C
pH-Value (at 20 °C):	5,0-7,0
Density (at 24 °C):	0,75 g/cm <sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

The product is stable under storage at normal ambient temperatures.  
Heating causes rise in pressure with risk of bursting.

### 10.4. Conditions to avoid

Keep away from heat. Flame

### 10.5. Incompatible materials

Materials to avoid: .

### 10.6. Hazardous decomposition products

Carbon monoxide Sulphur oxides

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Toxicokinetics, metabolism and distribution

No data available

#### Acute toxicity

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

#### ATEmix calculated

ATE (oral) 0.0000 mg/kg; ATE (dermal) 0.0000 mg/kg; ATE (inhalation vapour) 0.0000 mg/l; ATE (inhalation dust/mist) 0.0000 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
107-98-2	1-methoxy-2-propanol				
	oral	LD50 4277 mg/kg	Rat	Study report (1985)	EU Method B.1
	dermal	LD50 > 2000 mg/kg	Rat	Study report (1985)	EU Method B.3
123-54-6	pentane-2,4-dione				
	oral	LD50 760 mg/kg	Rat	Drug and Chemical Toxicology, 9, 133-146	other: as stated in report
	dermal	LD50 790 mg/kg	Rabbit	Drug and Chemical Toxicology, 9, 133-146	other: as reported in test report
	inhalation (4 h) vapour	LC50 3 mg/l			
	inhalation dust/mist	ATE 0.5 mg/l			
119-36-8	methyl salicylate				
	oral	ATE 890 mg/kg			

#### Irritation and corrosivity

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

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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.

#### Specific effects in experiment on an animal

No data available

#### Additional information on tests

No data available

#### Practical experience

No data available

### 11.2. Information on other hazards

#### Other information

No data available

#### Further information

No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
107-98-2	1-methoxy-2-propanol					
	Acute fish toxicity	LC50 > 4600 - < 10000 mg/l	96 h	Leuciscus idus	Study report (1989)	other: DIN 38 412, part L15
	Acute algae toxicity	ErC50 > 1000 mg/l	96 h	Pseudokirchneriella subcapitata	Study report (1986)	OECD Guideline 201
	Acute crustacea toxicity	EC50 21100 - 25900 mg/l	48 h	Daphnia magna	Study report (1981)	other: Environmental Sciences Research T
123-54-6	pentane-2,4-dione					
	Acute fish toxicity	LC50 104 mg/l	96 h	Pimephales promelas	Center of Lake Superior Environmental St	OECD Guideline 203
	Acute algae toxicity	ErC50 83,22 mg/l	72 h	Pseudokirchneriella subcapitata	Study report (2010)	OECD Guideline 201
	Acute crustacea toxicity	EC50 25,9 mg/l	48 h	Daphnia magna	Environ. Toxicol. Chem. 5, 393-398. (198)	other: ASTM Standard D4229-84 of 1984
	Fish toxicity	NOEC 10 mg/l	34 d	Pimephales promelas	Study report (2012)	OECD Guideline 210
	Crustacea toxicity	NOEC 18 mg/l	21 d	Daphnia magna	Study report (2012)	OECD Guideline 211
	Acute bacteria toxicity	(EC50 107,6 mg/l)	3 h	activated sludge of a predominantly domestic sewage	Study report (2010)	OECD Guideline 209
119-36-8	methyl salicylate					
	Acute fish toxicity	LC50 19.8 mg/l	96 h	Pimephales promelas	Publication (1985)	OECD Guideline 203
	Acute algae toxicity	ErC50 27 mg/l	72 h	Desmodesmus subspicatus	Study report (2010)	OECD Guideline 201
	Acute crustacea toxicity	EC50 870 mg/l	48 h	Daphnia magna	Chemosphere 59 255-261 (2005)	OECD Guideline 202

#### 12.2. Persistence and degradability

No data available

#### 12.3. Bioaccumulative potential

No data available

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-98-2	1-methoxy-2-propanol	< 1
123-54-6	pentane-2,4-dione	0,68
119-36-8	methyl salicylate	2.55

#### BCF

CAS No	Chemical name	BCF	Species	Source
123-54-6	pentane-2,4-dione	3,16		Calculation (2000)

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment



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The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.  
No data available

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

Do not allow to enter into surface water or drains.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### List of Wastes Code - residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

##### List of Wastes Code - used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

##### List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1



Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0  
 Transport category: 2  
 Tunnel restriction code: D

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1



Classification code: 5F

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Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 959  
 Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: A145 A167 A802  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y203  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):  
 Entry 3, Entry 40, Entry 75

2010/75/EU (VOC): 92,842 % (696,314 g/l)

#### National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

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#### Abbreviations and acronyms

Aerosol: Aerosols  
Flam. Liq: Flammable liquid  
Acute Tox: Acute toxicity  
Eye Dam: Eye damage  
Skin Sens: Skin sensitisation  
Repr: Reproductive toxicity  
STOT SE: Specific target organ toxicity - single exposure  
Aquatic Chronic: Chronic aquatic hazard

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data

#### Relevant H and EUH statements (number and full text)

H222 Extremely flammable aerosol.  
H226 Flammable liquid and vapour.  
H229 Pressurised container: May burst if heated.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H331 Toxic if inhaled.  
H336 May cause drowsiness or dizziness.  
H361d Suspected of damaging the unborn child.  
H412 Harmful to aquatic life with long lasting effects.

#### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

#### Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Lubricating agent	PW, C	-	24	11	-	-	7, 80	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*