

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



70400 White Spirit 100/140

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Revised edition: 02.03.2020

Version: 5

Printed: 19.10.2022

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: White Spirit 100/140

Article No.: 70400

UFI: --

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Industrial application

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Flammable liquids, hazard category 2
Specific Target Organ Toxicity (single exposure), hazard category 3
Aspiration hazard, hazard category 1
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225 Highly flammable liquid and vapour.

Cat.: 2

H304 May be fatal if swallowed and enters airways.

Cat.: 1

H336 May cause drowsiness or dizziness.

Cat.: 3

H411 Toxic to aquatic life with long lasting effects.

Cat.: 2

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard designation:

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GHS02-2



GHS07



GHS08



GHS09

Signal word:

Danger

Hazard designation:

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P243	Take precautionary measures against static discharge.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P301+P310	If swallowed: Immediately call a poison center or physician.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P331	Do not induce vomiting.
P403+P235	Store in a well ventilated place. Keep cool.

Hazardous components for labelling:

2.3. Other Hazards

*The product is combustible and can be ignited by potential sources of ignition.
Spillage of extinguishing water can cause pollution of the waters.*

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Mixture of paraffinic and naphthenic hydrocarbons C7-C9.
UVCB Substance

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Information on Components / Hazardous Ingredients:

Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclics (H225-304-336-411); REACH 01-2119473851-33-0000	100 %	CAS-Nr: 64742-49-0 EINECS-Nr: 920-750-0 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

*First aiders have to protect themselves.
Take person away from hazardous area.
Remove contaminated clothes immediately.*

After inhalation:

*Supply fresh air. If required give artificial respiration. Keep patient warm.
Oxygen therapy in case of impaired breathing.
In case of unconsciousness place patient stable in side position for transportation.*

After skin contact:

*Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.
If symptoms persist, consult a physician.*

After eye contact:

Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion:

*Rinse mouth thoroughly with plenty of water. Do not induce vomiting. Consult physician immediately.
Risk of aspiration!
In case of spontaneous vomiting, bring unconsciousness person in a stable side position.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Narcotic effects, breathing difficulties, headache, dizziness.

Effects:

If vomiting occurs after ingestion, aspiration into the lungs can occur. Aspiration can cause pulmonary edema and pneumonia.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Carbon dioxide (CO₂), extinguishing powder, water spray, sand.

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Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

The vapor is heavier than air, spreads along the ground and distant ignition is possible.

Risk of bursting of the container.

In case of fire: formation of carbon oxides, sulfur oxides, phosphorous oxides.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

Cool exposed containers with water mist.

Risk of bursting of closed containers due to strong heating.

Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear appropriate protective equipment. Keep spectators away.

Provide adequate ventilation. Keep away from sources of ignition.

Avoid contact with eyes and skin.

Do not inhale aerosol/fumes/vapors.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

Contact local authorities if product pollutes soil or vegetation.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent) and dispose accordingly.

Dispose of contaminated material as waste according to section 13.

6.4. Reference to other Sections

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide good ventilation and/or exhaust at the workplace. Ensure adequate ventilation. Handle and open container with care.

Do not breathe vapors, aerosols.

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Avoid contact with eyes and skin.

Hygienic measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated location.

Protect product from direct sunlight.

Requirements for storage areas and containers:

Store in a room with a solvent-proof floor.

Ground containers and filling equipment.

Information on fire and explosion protection:

Vapors may form an explosive mixture with air.

Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.

Storage class:

3; Flammable liquids (TRGS 510)

Further Information:

The product is slightly hazardous to water. Consider national regulations regarding handling and storage.

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

C7-C9 Aliphatics: TWA 1500 mg/m³; 2(II)

Hydrocarbon mixture, used as solvent (free from additives).

Parameters to be controlled:

Derived No-Effect Level (DNEL):

773 mg/m³ bw/d (worker, skin contact, long-term exposure - systemic effects)

2035 mg/m³ (worker, inhalation, long-term exposure - systemic effects)

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

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No further measures, see Section 7 and 8.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Respiratory protection:

Required in case of insufficient ventilation.

Hand protection:

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

Protective glove material:

*Nitrile rubber (NBR): > 240 min (permeation level 5), 0.4 mm
For short-term exposure (splash protection): nitrile rubber gloves*

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing (flame-proof, antistatic).

Environmental precautions:

*Prevent contamination of open water ways and sewage system.
Avoid contamination of ground water.*

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>colorless</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>not applicable</i>
<i>Melting temperature:</i>	<i>< -60°C (1 atm)</i>
<i>Boiling temperature:</i>	<i>100 - 160°C (100 kPa)</i>
<i>Flash point:</i>	<i>>-7.5 - <-5°C (1 atm)</i>
<i>Evaporation rate:</i>	<i>5 (Ether =1)</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>7 Vol.-%</i>
<i>Lower explosion limit:</i>	<i>0.6 Vol.-%</i>
<i>Vapor pressure:</i>	<i>4.2 kPa (25°C)</i>
<i>Vapor density:</i>	

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Density: 730.3 - 739.4 kg/m³ (15°C)

Solubility in water: not determined

Coefficient of variation (n-Octanol/Water): 4 - 5.7 logKOW

no information available

Auto-ignition temperature: > 275°C (1 atm)

Decomposition temperature:
No data available.

Viscosity, dynamic:
not determined

Explosive properties:
not applicable

Oxidizing properties:
none

Bulk density:
not applicable

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic: 0.715 - 0.786 mm²/s (25°C)

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Surface tension: 18.3 - 20 mN/m (25°C)

Temperature class: T3 (maximum temperature: 200°C)

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Formation of explosive vapor-air-mixtures possible in case of insufficient ventilation.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid heat, hot surfaces, sparks, naked flames and other ignition sources. Do not smoke.

Thermal decomposition:

No further information available.

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10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

In case of fire: formation of carbon oxides.

10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

Is not classified as acutely toxic.

LD50, oral:

Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclics: > 5840 mg/kg (rat)

LD50, dermal:

Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclics: > 2800-3100 mg/kg (rat)

LC50, inhalation:

Hydrocarbons, C7, n-Alkanes, Isoalkanes, Cyclics: > 23.3 mg/kg (4h, rat)

Primary effects

Irritant effect on skin:

Non irritating

Irritant effect on eyes:

Non-irritating to eyes

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

Not mutagenic.

Reproductive toxicity:

No reproductive toxicity expected.

Carcinogenicity:

No cancerogenic effect known.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: may cause drowsiness or dizziness.

Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.

Aspiration hazard

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May be fatal if swallowed and enters airways.

11.2. Information on other Hazards

Skin contact: repeated exposure may cause skin dryness or cracking.

12. Ecological Information

12.1. Aquatic Toxicity

Toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Fish toxicity:

Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclics: LL50: 10 mg/l (96h, fish)

Daphnia toxicity:

Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclics: EL50: 22 mg/l (24h, aquatic invertebrates); EC50: 0.64 mg/l (24h, aquatic invertebrates); EL50 (Chronic): 1.6 mg/l (21d, aquatic invertebrates); EC50 (Chronic): 0.23 mg/l (21d, aquatic invertebrates)

Bacteria toxicity:

no information available

Algae toxicity:

No information available.

12.2. Persistency and Degradability

Oxygen consumption: 83 % (16d)

12.3. Bioaccumulation

log KOW: 4 - 5,7 (Bioaccumulative)

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).

12.6. Endocrine Disrupting Properties

Not listed.

12.7. Other Adverse Effects

Water hazard class:

*2 (German Regulation) (Assessment by list): hazardous.
Do not let product contaminate ground water, waterways or sewage system.*

Behaviour in sewage systems:

Further ecological effects:

*Toxic to water organisms.
May cause long-term adverse effects in the aquatic environment.*

AOX Value:

13. Disposal Considerations

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13.1. Waste Treatment Methods

Product:

*Solvent recovery / regeneration.
Must not be disposed together with household garbage.
Do not let product enter water systems.*

European Waste Code (EWC):

Uncleaned packaging:

*Empty container completely. Residues may cause an explosion hazard.
Empty containers should be taken to an approved waste handling site for recycling or disposal.*

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA 3295

14.2. UN Proper Shipping Name

ADR/RID: KOHLENWASSERSTOFFE, FLÜSSIG, N.A.G. (Isoheptane & Cycloheptane), SV 640D

IMDG/IATA: HYDROCARBONS, LIQUID, N.O.S. (Isoheptane & Cycloheptane), SP 640D

14.3. Transport Hazard Classes

ADR Class: 3

Hazard no.: 3

Classification code: F1

Tunnel restriction code: D/E

IMDG Class (sea): 3

Hazard no.: 3

EmS No.: F-E, S-D

IATA Class: 3

Hazard no.: 3

14.4. Packaging Group

ADR/RID: II

IMDG: II

IATA: II

14.5. Environmental Hazards

*Labelling according 5.2.1.6.3 IMDG: fish and tree
Labelling according 5.2.1.8 ADR/RID: fish and tree
Classification as environmentally hazardous according 2.9.3
IMDG: yes
Labelled with "P" according 2.10 IMDG: yes*

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14.6. Special Precautions for User

not applicable

14.7. Maritime Transport in Bulk according to IMO Instruments

IMDG: not applicable

14.8. Further Information

Special Provision: 640D

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Seveso-III Directive (2012/18/EU):

*Category E2: Environmentally hazardous: Amount 2: 200 t;
Amount 3: 500 t*

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law (§ 22 JArbSchG) are to be observed.

The employment restrictions for women in child-bearing age are to be observed (§§4 and 5 MuSchRiV).

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 3, 40.

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

Decopaint Directive (2004/42/EC):

VOC Content: 100 %

*Fire hazard class (German "Flammable Liquids Ordinance" (VbF)):
A1 (flammable liquids of group A, hazardous class I)*

Listed in the following inventories:

*EINECS (920-750-0), TSCA (US), AICS (AUS), DSL/NDSL (CA),
PICCS (PH), KECL (KR), IECSC (CN), NZIoC (NZ)*

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

RoHS Directive 2011/65/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS): not listed.

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product

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from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.

Important literature references and sources of data:

This Safety Data Sheet is based on information received from our supplier as well as from the ECHA (European Chemicals Agency) database.