

Safety Data Sheet

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



70394 White Spirit 60/95

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Revised edition: 17.02.2021

Version: 3.0

Printed: 03.11.2022

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

1.1. Product Identifier

Product Name: White Spirit 60/95

Article No.: 70394

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
Aspiration hazard, hazard category 1
Specific Target Organ Toxicity (single exposure), hazard category 3
Hazardous to the aquatic environment, chronic hazard category 2
Highly flammable liquid and vapour.

H225
Cat.: 2
H304
Cat.: 1
H336
Cat.: 3
H411
Cat.: 2
May be fatal if swallowed and enters airways.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.

Possible Environmental Effects:

2.2. Label Elements

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

Hazard designation:

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GHS02



GHS07



GHS08-2



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.
P301+P310	If swallowed: Immediately call a poison center or physician.
P331	Do not induce vomiting.
P370+P378	In case of fire: use water spray, foam, carbon dioxide or dry extinguishing powder for extinction.
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P403+P235	Store in a well ventilated place. Keep cool.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Hydrocarbons, C6-C7, isoalkanes, cycloalkanes, <5% n-hexane

Information on Components / Hazardous Ingredients:

Hydrocarbons, C6-C7, Isoalkanes, Cyclics, <5% n-Hexane (H225-304-336-411); REACH Reg. No. 01-2119486291-36-0000	< 100 %
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CAS-Nr:
EINECS-Nr: 926-605-8
EC-Nr:

n-Hexane (H225-304-315-336-361f-373-411); REACH Reg. No. 01-2119480412-44	< 1 %
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CAS-Nr: 110-54-3
EINECS-Nr: 203-777-6

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EC-Nr: 601-037-00-0

Additional information:

n-Hexane is a component of the carbon hydrogen mixture.

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. In case of complaints or unconsciousness consult a physician. 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 eyes with plenty of water for at least 15 minutes.
Consult physician.*

After ingestion:

*Do not induce vomiting.
Risk of aspiration!
Immediately get medical help.
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:

*Headache, dizziness, nausea, tiredness, numbness, drowsiness, disorder of the central nervous system.
Dries out the skin. Skin irritation.*

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.
Artificial respiration and/or oxygen may be required.*

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray.

Unsuitable extinguishing media:

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Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Highly flammable.

Fumes can form an explosive mixture with air.

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

In case of fire: formation of carbon oxides. Hazardous decomposition products due to incomplete combustion.

5.3. Advice for Firefighters

Protective equipment:

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

Further information:

Cool exposed containers with water spray.

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:

Provide adequate ventilation. Keep away from sources of ignition.

Wear protective clothing.

Avoid contact with skin, eyes and clothing. Do not ingest or inhale.

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:

Larger amounts should be pumped into adequate containers.

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

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:

Keep containers tightly closed.

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

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.

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Do not inhale gas/fumes/vapours/aerosols.

Take off contaminated clothing immediately. Store working clothing separately.

Avoid contact with eyes and skin.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Protect against heat and direct sunlight.

Requirements for storage areas and containers:

Store in a room with a solvent-proof floor.

Suitable container material: stainless steel, carbon steel, teflon.

Unsuitable container material: natural rubber, butyl rubber, polystyrol.

Information on fire and explosion protection:

Combustible material.

Highly flammable.

Vapors may form an explosive mixture with air.

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

Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Storage class:

3; Flammable liquids (TRGS 510)

Further Information:

No information available.

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

Hydrocarbons, C7-C7, n-Alkanes, Isoalkanes, Cyclenes, <5% n-Hexane: 1200 mg/m³ (STEL); 600 mg/m³ (TWA)

n-Hexane (CAS 110-54-3), ELV (TRGS 900): 180 mg/m³; 50 ml/m³; 8(II); Y

Y: No teratogenic risk when the exposure limit values (ELV) and biological limit values (BLV) are adhered to.

BLV: n-Hexane Measured parameter: 2,5-Hexandione plus 4,5-Dihydroxy-2-hexanone: 5 mg/l (end of exposure or shift; urine)

Parameters to be controlled:

n-Hexane (CAS 110-54-3), TLV (EC ELV): 72 mg/m³; 20 ppm; MAK (AT): Average value: 20 ppm, 72 mg/m³; Short term value: 80 ppm, 288 mg/m³; MAK (CH): Average value: 50 ppm, 180

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mg/m³; Short term value: 400 ppm, 1440 mg/m³

Derived No-Effect Level (DNEL):

Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclics, <5 % n-Hexane:

5306 mg/m³ (worker, inhalation, chronic exposure - systemic effects)

13964 mg/kg/day (worker, skin contact, chronic exposure - systemic effects)

n-Hexane:

75 mg/m³ (worker, inhalation, long-term exposition - systemic wirkungen)

11 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

General protective measures:

Avoid contact with eyes and skin.

Do not inhale gas/fumes/vapor/aerosol.

Remove contaminated clothing immediately.

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

Respiratory protection:

In case of formation of dust/vapor.

Respirator mask required if ventilation is insufficient. Wear filter respirator in case of short-term or low exposure, and wear a self-contained breathing apparatus in case of long-term or higher exposure.

Recommended: filter AX.

Hand protection:

Protective gloves

Protective glove material:

Nitrile rubber (NBR): > 240 min (permeation level 5), 0.4 mm

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

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.
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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>paraffinic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>not applicable</i>
<i>Melting temperature:</i>	<i>< -20°C</i>
<i>Boiling temperature:</i>	<i>55 - 98°C (ASTM D1078)</i>
<i>Flash point:</i>	<i>< 0°C (ASTM D 56)</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>8.3 Vol.-%</i>
<i>Lower explosion limit:</i>	<i>ca. 1 Vol.-%</i>
<i>Vapor pressure:</i>	<i>10.31 kPa (20°C)</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>0.67 - 0.7 g/cm³ (15°C)</i>
<i>Solubility in water:</i>	<i>practically insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>3.6 (pH 7; 20°C)</i>
	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>> 200°C</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not available</i>
<i>Explosive properties:</i>	<i>Product is not explosive; however, an explosive vapor/air mixture can be formed.</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	<i>not determined</i>

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9.2. Further Information

Solubility in solvents:

Viscosity, kinematic: 0.45 - 1.4 mm²/s (20°C)

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Surface tension: 23.7 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

The product is stable.

10.3. Possibility of Hazardous Reactions

Formation of explosive vapor-air-mixtures possible.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid contact with heat, sparks and open fire.

Thermal decomposition:

No further information available.

10.5. Incompatible Materials

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:

16760 mg/kg (rat)

LD50, dermal:

3350 mg/kg (rat)

LC50, inhalation:

269.354 mg/l (4h; rat)

Primary effects

Irritant effect on skin:

Shall not be classified as corrosive/irritant to skin.

Irritant effect on eyes:

Shall not be classified as seriously damaging or irritating to the

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eye.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Shall not be classified as a respiratory or skin sensitizer.

Mutagenicity:

Not classified as mutagenic.

Reproductive toxicity:

Not classified as reproductive toxicant.

Carcinogenicity:

Not classified as carcinogenic.

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

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

Fish toxicity:

*Hydrocarbons, C6-C7, Isoalkanes, Cyclics, < 5% n-Hexane: LL50: 12 mg/l (96h; Oncorhynchus mykiss)
n-Hexane: LC50: 12.51 mg/l (96h, fish)*

Daphnia toxicity:

*Hydrocarbons, C6-C7, Isoalkanes, Cyclics, < 5% n-Hexane: EL50: 17.06 mg/l (48h, Daphnia magna)
n-Hexane: EC50: 21.85 mg/l (48h, Daphnia magna)*

Bacteria toxicity:

no information available

Algae toxicity:

12.2. Persistency and Degradability

Hydrocarbons, C6-C7, Isoalkanes, Cyclics, < 5% n-Hexane: 83 % (10d), readily biodegradable

12.3. Bioaccumulation

No information available.

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12.4. Mobility

Adsorption: Adsorption coefficient (Organic Carbon): 2.5 - 3.16 (ECHA)

12.5. Results of PBT- und vPvP Assessment

The contents of the preparation do not comply with the criteria for the classification as PBT or vPvB.

12.6. Endocrine Disrupting Properties

Not listed.

12.7. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

Further ecological effects:

Toxic to water organisms.

May cause long-term adverse effects in the aquatic environment. Prevent product from entering surface water and drains.

AOX Value:

No data available.

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to an incineration plant.

Must not be disposed together with household garbage.

European Waste Code (EWC):

Uncleaned packaging:

Empty container completely. Residues may cause an explosion hazard.

Do not puncture, cut or weld uncleaned drums. Risk of explosion.

Dispose of according to official local regulations.

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. (Naphtha (Erdöl), mit Wasserstoff behandelte leichte), SV 640D

IMDG/IATA:

HYDROCARBONS, LIQUID, N.O.S. (Aliphatic hydrocarbons), SP 640D

14.3. Transport Hazard Classes

ADR Class:

3

Hazard no.:

3

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	<i>Classification code:</i>	<i>F1</i>
	<i>Tunnel restriction code:</i>	<i>D/E</i>
	<i>IMDG Class (sea):</i>	<i>3</i>
	<i>Hazard no.:</i>	<i>3</i>
	<i>EmS No.:</i>	<i>F-E, S-D</i>
	<i>IATA Class:</i>	<i>3</i>
	<i>Hazard no.:</i>	<i>3</i>
14. 4.	Packaging Group	
	<i>ADR/RID:</i>	<i>II</i>
	<i>IMDG:</i>	<i>II</i>
	<i>IATA:</i>	<i>II</i>
14. 5.	Environmental Hazards	
		<i>Labelling according 5.2.1.8 ADR/RID: fish and tree</i>
		<i>Labelling according 5.2.1.6.3 IMDG: fish and tree</i>
		<i>Classification as environmentally hazardous according 2.9.3</i>
		<i>IMDG: yes</i>
14. 6.	Special Precautions for User	
		<i>not applicable</i>
14. 7.	Maritime Transport in Bulk according to IMO Instruments	
		<i>IMDG: not applicable</i>
14. 8.	Further Information	
		<i>Special Provision: 640D</i>

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:

Underlies the Accident Ordinance 2.3

Employment restrictions:

The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline are to be observed.

The employment restrictions for young workers in accordance with the Youth Employment Protection Law are to be observed.

Restriction and prohibition of application:

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

EU. Directive 2010/75/EU, VOC content 100 %

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Decopaint Directive (2004/42/EC):

VOC Content: 100 %

National regulations Switzerland:

VOC Content: 100 %

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

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