

# SAFETY DATA SHEET

# **Spotcheck SKC-S Aerosol**

# SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

# 1.1. Product identifier Trade name: Spotcheck SKC-S Aerosol 1.2. Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture: Non-destructive testing Vises advised against : This product is not recommended for any use other than the

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

Company and address:	Magnaflux® (A Division of ITW Ltd) Faraday Road, South Dorcan Industrial Estate SN3 5HE Swindon, Wiltshire United Kingdom T +44 (0)1793 524566 https://magnaflux.eu/en
E-mail:	support.eu@magnaflux.com
Revision:	30/05/2023
SDS Version:	2.0
Date of previous version:	14/12/2022 (1.0)

identified uses above.

#### **1.4. •** Emergency telephone number

Emergency phone number: +44(0)203 394 9866 Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

# **SECTION 2: HAZARDS IDENTIFICATION**

# 2.1. Classification of the substance or mixture

Aerosol 1; H222, H229, Extremely flammable aerosol. Pressurised container: May burst if heated. Asp. Tox. 1; H304, May be fatal if swallowed and enters airways. Skin Irrit. 2; H315, Causes skin irritation. STOT SE 3; H336, May cause drowsiness or dizziness.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

Danger

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

# 2.2. Label elements

Hazard pictogram(s):



Signal word: Hazard statement(s):

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



	May be fatal if swallowed and enters airways. (H304) Causes skin irritation. (H315) May cause drowsiness or dizziness. (H336) Toxic to aquatic life with long lasting effects. (H411)
Precautionary statement(s):	
General:	-
Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210) Do not spray on an open flame or other ignition source. (P211) Do not pierce or burn, even after use. (P251)
Response:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310) Do NOT induce vomiting. (P331) Collect spillage. (P391)
Storage:	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122°F. (P410+P412)
Disposal:	-
Hazardous substances:	Hydrocarbons,C7-C9,isoalkanes
Additional labelling:	Not applicable.
Other hazards	
Additional warnings:	In the event of leaks, high concentrations of gases can quickly form. They can be toxic, asphyxiating, or explosive. This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

# 3.1. Substances

2.3.

Not applicable. This product is a mixture.

# 3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Hydrocarbons,C7- C9,isoalkanes	CAS No.: 64741-66-8 EC No.: 921-728-3 UK-REACH: Index No.:	60-80%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	[19]
butane	CAS No.: 106-97-8 EC No.: 203-448-7 UK-REACH: Index No.: 601-004-01-8	10-15%	Flam. Gas 1A, H220 Press. Gas (Liq.) , H280	[11]
propane	CAS No.: 74-98-6 EC No.: 200-827-9 UK-REACH: Index No.: 601-003-00-5	5-10%	Flam. Gas 1A, H220 Press. Gas (Liq.) , H280	



	Flam. Gas 1A, H220	[11]
EC No.: 200-857-2	Press. Gas (Liq.) , H280	
UK-REACH:		
Index No.: 601-004-01-8		

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

# Other information

[11] The classification as a carcinogen / mutagen will not be taken into account as the substance contains less than 0,1 % w/w 1,3-butadiene (EINECS No 203-450-8) (CLP, Annex VI, note K).
[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

## **SECTION 4: FIRST AID MEASURES**

# 4.1. Description of first aid measures

General information:	In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact:	Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
Eye contact:	Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.
Ingestion:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.
Burns:	Rinse with water until pain stops then continue to rinse for 30 minutes.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

# **4.3. Indication of any immediate medical attention and special treatment needed** IF exposed or concerned:

Get immediate medical advice/attention.

# Information to medics

Bring this safety data sheet or the label from this product.



# **SECTION 5: FIREFIGHTING MEASURES**

# 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist. Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

# 5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO2)

# 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice. Hazchem Code: None

# **SECTION 6: ACCIDENTAL RELEASE MEASURES**

# 6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation. Avoid direct contact with spilled substances. Avoid inhalation of vapours from spilled material.

# 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

## 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste. See section 8 "Exposure controls/personal protection" for protective measures.

#### **SECTION 7: HANDLING AND STORAGE**

# 7.1. Precautions for safe handling

Avoid direct contact with the product. Smoking, drinking and consumption of food is not allowed in the work area. See section 8 "Exposure controls/personal protection" for information on personal protection.

# 7.2. Conditions for safe storage, including any incompatibilities

Must be stored in a cool and well-ventilated area, away from possible sources of ignition. Pressurized gas packs (spray cans, aerosol cans) must be stored behind a wire mesh, which allows gases to escape and holds back packs flying around.

*Recommended storage* Keep only in original packaging.



material:Storage temperature:10 - 30°CIncompatible materials:Strong acids, strong bases, strong oxidizing agents, and strong<br/>reducing agents.

# 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

# 8.1. Control parameters

#### butane

Long term exposure limit (8 hours) (ppm): 600 Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 1450 Short term exposure limit (15 minutes) (ppm): 750 Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 1810 Annotations: Carc1 = Capable of causing cancer and/or heritable genetic damage if it contains more than 0.1% of buta-1,3-diene.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

# **V**DNEL

Hydrocarbons,C7-C9,isoalkanes

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	699 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	773 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	608 mg/m³
Long term – Systemic effects - General population	Inhalation	608 mg/m³
Long term – Systemic effects - Workers	Inhalation	2035 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	2035 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	699 mg/kg bw/day

## **PNEC**

No data available.

# 8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:	Smoking, drinking and consumption of food is not allowed in the work area.
Exposure scenarios:	There are no exposure scenarios implemented for this product.
Exposure limits:	Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.
Appropriate technical	Apply standard precautions during use of the product. Avoid



measures: *Hygiene measures:* Measures to avoid

inhalation of gas or dust. Take off contaminated clothing and wash it before reuse.

Provide adequate general and local exhaust ventilation.

environmental exposure:

# Individual protection measures, such as personal protective equipment

Generally:

Use only UKCA marked protective equipment.

Respiratory Equipment:

Work situation	Туре	Class	Colour	Standards	
In case of inadequate ventilation	AX		Brown	EN14387	<b>(B)</b>

#### Skin protection:

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	R

#### Hand protection.

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,38	> 480	EN374-2, EN374-3, EN388	

#### Eve protection:

Туре	Standards	
Safety glasses	EN166	$\overline{\mathbf{\Theta}}$

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

Physical state:	Aerosol
Colour:	Colourless
Odour / Odour threshold:	Sweet
pH:	Not applicable
Density (g/cm³):	0.72 (15 °C)
Kinematic viscosity:	0.7 mm²/s (40 °C)
Particle characteristics:	Not applicable - product is a liquid
e changes	

# Phase

<i>Melting point/Freezing point</i> (° <i>C</i> ):	No data available
Softening point/range (waxes and pastes) (°C):	Does not apply to aerosols.
Boiling point (°C):	115-140



Vapour pressure:15 mmHg (20 °C)Relative vapour density:4.1Decomposition temperature<br/>(°C):No data available

# Data on fire and explosion hazards

Flash point (°C):6▼ Flammability (°C):The material is ignitable.

★ Auto-ignition temperature 380 (°C):
Lower and upper explosion 0.9 - 6 limit (% v/v):

# Solubility

Solubility in water:Practically insolublen-octanol/water coefficient:>4Solubility in fat (g/L):No data available

# 9.2. Other information

Note: The above properties are for the bulk product and not the aerosol. Flash point of the aerosol propellent: -40  $^{\circ}\mathrm{C}$ 

Evaporation rate (nbutylacetate = 100):

▼ Oxidizing properties: No data available

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*Other physical and chemical* No data available. *parameters:* 

# **SECTION 10: STABILITY AND REACTIVITY**

- **10.1. Reactivity** No data available.
- **10.2.** Chemical stability The product is stable under the conditions, noted in section 7 "Handling and storage".
- **10.3.** Possibility of hazardous reactions None known.
- 10.4. Conditions to avoid Avoid static electricity. Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.
- **10.5. Incompatible materials** Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
- **10.6.** Hazardous decomposition products The product is not degraded when used as specified in section 1.

# SECTION 11: TOXICOLOGICAL INFORMATION

# 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

# ▼ Acute toxicity

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



Product/substance Test method: Species: Route of exposure: Test: Result:	Hydrocarbons,C7-C9,isoalkanes OECD 403 Rat Inhalation LC50 >20 mg/L	
Product/substance Test method: Species: Route of exposure: Test: Result:	Hydrocarbons,C7-C9,isoalkanes OECD 401 Rat Oral LD50 >5000 mg/kg	
Product/substance Test method: Species: Route of exposure: Test:	Hydrocarbons,C7-C9,isoalkanes OECD 402 Rabbit Dermal LD50	

#### ▼ Skin corrosion/irritation

Result:

Product/substance	Hydrocarbons,C7-C9,isoalkanes
Test method:	OECD 404
Species:	
Duration:	
Result:	Adverse effect observed (Irritating)

>2000 mg/kg

Causes skin irritation.

#### ▼ Serious eye damage/irritation

Based on available data, the classification criteria are not met.			
Hydrocarbons,C7-C9,isoalkanes			
OECD 405			
Adverse effect observed (Slightly irritating)			

#### **Respiratory sensitisation**

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

# **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**

May cause drowsiness or dizziness.

#### ▼ STOT-repeated exposure

Based on available data, the classification criteria are not met.Product/substancebutaneSpecies:Rat, male/femaleRoute of exposure:InhalationTarget organ:Urration:42 days



Test: Result: Conclusion:	NOAEL 16000 ppm
Product/substance	isobutane Rat male/female

Species:	Rat, male/femal
Route of exposure:	Inhalation
Target organ:	
Duration:	42 days
Test:	NOAEL
Result:	16000 ppm
Conclusion:	

# ▼ Aspiration hazard

May be fatal if swallowed and enters airways.

# 11.2. Information on other hazards

#### Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

# **v** Endocrine disrupting properties

Not applicable.

# **Other information**

None known.

# **SECTION 12: ECOLOGICAL INFORMATION**

# 12.1. ▼Toxicity

▼ IOXICITY Toxic to aquatic life Product/substance Species: Duration: Test: Result:	with long lasting effects. Hydrocarbons,C7-C9,isoalkanes Daphnia, Daphnia magna 48 hours EC50 2.4 mg/L	
Product/substance Species: Duration: Test: Result:	Hydrocarbons,C7-C9,isoalkanes Fish, Oncorhynchus mykiss 96 hours LC50 18.4 mg/L	
Product/substance Test method: Species: Duration: Test: Result:	butane QSAR Fish LC50 147.54 mg/L	
Product/substance Test method:	propane QSAR	



Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	147.54 mg/L
Product/substance	propane
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	49.9 mg/L
Product/substance	propane
Species:	Daphnia, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	27.1 mg/L
Product/substance	propane
Species:	Algae
Duration:	72 hours
Test:	EC50
Result:	11.9 mg/L
Product/substance	isobutane
Test method:	QSAR
Species:	Fish
Duration:	96 hours
Test:	LC50
Result:	147.54 mg/L

# **12.2.** Persistence and degradability No data available.

- **12.3. Bioaccumulative potential** No data available.
- **12.4.** Mobility in soil No data available.

# 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**12.6.** ▼ Endocrine disrupting properties Not applicable.

#### 12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

# **SECTION 13: DISPOSAL CONSIDERATIONS**

#### Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

HP 14 – Ecotoxic



Dispose of contents/container to an approved waste disposal plant. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

# EWC code

Not applicable.

# ▼ Specific labelling

# **Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

# **SECTION 14: TRANSPORT INFORMATION**

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN1950	AEROSOLS, flammable	Transport hazard class: 2 Label: 2.1 Classification code: 5F	-	Yes	Limited quantities: 1 L Tunnel restriction code: (D) See below for additional information.
IMDG	UN1950	AEROSOLS, flammable	Transport hazard class: 2 Label: 2.1 Classification code: 5F	-	Yes	Limited quantities: 1 L EmS: F-D S-U See below for additional information.
IATA	UN1950	AEROSOLS, flammable	Transport hazard class: 2 Label: 2.1 Classification code: 5F	-	Yes	See below for additional information.

\* Packing group

\*\* Environmental hazards

#### **Additional information**

Although this product is environmentally hazardous, the environmentally hazardous substance mark has been omitted as the product is supplied in packaging with a maximum quantity of 5 L / 5 kg.

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods. Hazchem Code: None



# **14.6.** Special precautions for user Not applicable.

**14.7.** Maritime transport in bulk according to IMO instruments No data available.

#### **SECTION 15: REGULATORY INFORMATION**

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

Restrictions for application:	Restricted to professional users. People under the age of 18 shall not be exposed to this product.
Demands for specific education:	No specific requirements.
SEVESO - Categories / dangerous substances:	P3a - FLAMMABLE AEROSOLS, Qualifying quantity (lower-tier): 150 tonnes (net) / (upper-tier): 500 tonnes (net) E2 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 200 tonnes / (upper-tier): 500 tonnes
Additional information:	Not applicable.
Sources:	The Aerosol Dispensers Regulations 2009 No. 2824, amended in 2014 (No. 1130) and in 2018 (No. 29). Control of Major Accident Hazards (COMAH) Regulations 2015. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

#### **SECTION 16: OTHER INFORMATION**

## Full text of H-phrases as mentioned in section 3

H220, Extremely flammable gas.

H225, Highly flammable liquid and vapour.

H280, Contains gas under pressure; may explode if heated.

H304, May be fatal if swallowed and enters airways.

H315, Causes skin irritation.

H336, May cause drowsiness or dizziness.

H411, Toxic to aquatic life with long lasting effects.

# Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)



CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008] CSA = Chemical Safety Assessment CSR = Chemical Safety Report DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level EINECS = European Inventory of Existing Commercial chemical Substances ES = Exposure Scenario EUH statement = CLP-specific Hazard statement EWC = European Waste Catalogue GHS = Globally Harmonized System of Classification and Labelling of Chemicals IARC = International Agency for Research on Cancer (IARC) IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) OECD = Organisation for Economic Co-operation and Development PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail RRN = REACH Registration Number SCL = A specific concentration limit SVHC = Substances of Very High Concern STOT-RE = Specific Target Organ Toxicity - Repeated Exposure STOT-SE = Specific Target Organ Toxicity - Single Exposure TWA = Time weighted average UN = United Nations UVBC = Unknown or variable composition, complex reaction products or of biological materials VOC = Volatile Organic Compound vPvB = Very Persistent and Very Bioaccumulative Additional information The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended

in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the mixture in regard to physical hazards has been based on experimental data.

# ▼ The safety data sheet is validated by

Magnaflux

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. Country-language: GB-en