



SPECIALISED LUBRICANTS & CLEANERS

Herschell Magnetic Ink (Black)

Safety Data Sheet

According to SANS 10234:2008 and SANS 11014:2010

Date of issue:10/12/2019

Revision date:

Version: 1.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
Trade name : Herschell Magnetic Ink (Black)
Type of product : Aerosols
Product code : 1-700 4460
Product group : Trade product

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

Use of the substance/mixture : Magnetic spray

1.3. Supplier's details

Manufacturer

Swift Industrial (Pty)Ltd
Molten Street
Denville ext.4
P.O. Box PO Box 23
Germiston 1400 - South Africa
T +27118275935 - F +27118242125
doug@swifts.co.za - www.swifts.co.za

1.4. Emergency telephone number

Emergency number : +27118275935

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Aerosol, Category 1 H222;H2
29
Acute toxicity (dermal), H313
Category 5
Full text of H statements : see section 16

2.2. Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS-ZA) :



GHS02

Signal word (GHS-ZA) : Danger
Hazardous ingredients : Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics; PARAFFINUM LIQUIDUM
Hazard statements (GHS-ZA) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H313 - May be harmful in contact with skin
Precautionary statements (GHS-ZA) : 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.
P312 - Call a doctor, a POISON CENTER if you feel unwell.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Pressurised container: May burst if heated,Extremely flammable aerosol,Harmful in contact with skin.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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According to SANS 10234:2008 and SANS 11014:2010

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(CAS-No.) 64742-48-9	50 - 60	Flam. Liq. 3, H226 Acute Tox. Not classified (Oral) Acute Tox. 4 (Dermal), H312 Acute Tox. Not classified (Inhalation:dust,mist)
Disperbyk-107		1 - 10	Flam. Liq. 3, H226 Muta. Not classified Carc. Not classified Asp. Tox. Not classified
PARAFFINUM LIQUIDUM	(CAS-No.) 8042-47-5	1 - 10	Flam. Liq. Not classified Acute Tox. 5 (Oral), H303 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE Not classified Asp. Tox. 1, H304
CI 77499	(CAS-No.) 1317-61-9	0.1 - 1	Acute Tox. Not classified (Oral)
butane	(CAS-No.) 106-97-8		Pyr. Gas Not classified Flam. Gas 1, H220 Aquatic Acute 3, H402
isobutane	(CAS-No.) 75-28-5		Flam. Gas 1, H220
propane	(CAS-No.) 74-98-6		Flam. Gas 1, H220

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Pressurised container: May burst if heated.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin, eyes and clothing.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

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Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not get in eyes, on skin, or on clothing. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

butane (106-97-8)

South Africa - Occupational Exposure Limits (Recommended Limits)

Local name	Butane
OEL TWA (mg/m ³)	1430 mg/m ³
OEL TWA (ppm)	600 ppm
OEL STEL (mg/m ³)	1780 mg/m ³
OEL STEL (ppm)	750 ppm
Regulatory reference	Government Notice. R: 1179

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : No data available
Colour : Black.
Odour : No data available
Odour threshold : No data available
pH : No data available
pH solution : No data available
Relative evaporation rate (butylacetate=1) : No data available
Relative evaporation rate (ether=1) : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : No data available

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Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.
Vapour pressure	: No data available
Vapour pressure at 50 °C	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Relative density of saturated gas/air mixture	: No data available
Density	: 0.659 g/cm ³
Relative gas density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Pressurised container: May burst if heated.
Oxidising properties	: No data available
Explosive limits	: No data available
Lower explosive limit (LEL)	: No data available
Upper explosive limit (UEL)	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: Not classified

ATE ZA (dermal)	3433.476 mg/kg bodyweight
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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-48-9)	
LD50 oral rat	5000 - 15000 mg/kg bodyweight
LD50 dermal rat	2000 mg/kg bodyweight
LD50 dermal rabbit	3160 - 5000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	4.951 - 9.3 mg/l/4h

PARAFFINUM LIQUIDUM (8042-47-5)	
LD50 oral rat	5000 mg/kg bw/day
LD50 dermal rabbit	2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	5 mg/l/4h

CI 77499 (1317-61-9)	
LD50 oral rat	5000 - 10000 mg/kg bodyweight

Skin corrosion/irritation	: Not classified
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Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

PARAFFINUM LIQUIDUM (8042-47-5)	
NOAEL (oral, rat, 90 days)	1200 mg/kg bodyweight/day
NOAEL (dermal, rat/rabbit, 90 days)	125 - 2000 mg/kg bodyweight/day
Aspiration hazard	: Not classified

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Vaporizer	Aerosol

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

butane (106-97-8)	
LC50 fish 1	24.11 - 147.54 mg/l
Log Pow	1.09 - 2.8

12.2. Persistence and degradability

Herschell Magnetic Ink (Black)	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

Herschell Magnetic Ink (Black)	
Bioaccumulative potential	No additional information available

butane (106-97-8)	
Log Pow	See section 12.1 on ecotoxicology

12.4. Mobility in soil

Herschell Magnetic Ink (Black)	
Mobility in soil	No additional information available

butane (106-97-8)	
Log Pow	See section 12.1 on ecotoxicology

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
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SECTION 14: Transport information




In accordance with SANS / IMDG / IATA

SANS	IMDG	IATA
14.1. UN number		
1950	1950	1950
14.2. Proper Shipping Name		
AEROSOLS	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)		
2.1	2.1	2.1

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SANS	IMDG	IATA
		
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

- SANS

Special provisions (SANS)	: 63, 190
Limited quantities (SANS)	: See SP277
Limited quantities (SANS)	: See SP277
Packagings, large packagings and IBCs	: P003
Packing instructions (SANS)	
Packagings, large packagings and IBCs Special packing instructions (SANS)	: PP17, PP87

- IMDG

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None

- IATA

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health, and environmental national regulations specific for the product

Regulatory reference	: SANS 10234:2008; SANS 11014:2010; SANS 10228:2012; SANS 10229:2010; SANS 10232(1,2,4), SANS 10231:2018; Occupational Health and Safety Act 85 of 1993; National Road Traffic Act 93 of 1996.
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SECTION 16: Other information

Date of issue : 10/12/2019

Full text of H-statements:

H220	Extremely flammable gas.
H226	Flammable liquid and vapour.
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H313	May be harmful in contact with skin
H332	Harmful if inhaled.
H402	Harmful to aquatic life

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SDS South Africa

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.