Material Safety Data Sheet
According to 1907/2006/EG, Article 31
modification (EG) no. 453/2010

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

1.1 Product identifier

Trade name: MS Scippy Spray

Article number: P50172

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

Application of the substance/ the preparation: Professional use

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Schippers Europe B.V.
Rond Deel 12
5531 AH Bladel
Nederland

1.4 Emergency Telephone number

Tel: 030-274 88 88, National poisoning information centre (NVIC)
(Only to inform doctors in case of accidental poisoning)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EG) no. 1272/2008

GHS02 Flammable
Flamm. Aerosol. 1 H222 Extremely flammable aerosol.

Classification according to Directive 67/548/EEG or Directive 1999/45/EG

R12: Highly flammable

Information concerning particular hazards for human and environment:
The product has to be labeled according to the calculation procedure of the "General Classification guideline for preparations of the EU", in the latest valid version.

Classification system:
The classification is done according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

Labeling according to Regulation (EG) no. 1272/2008
The product is classified and labeled according to the CLP regulation.

Hazard pictograms

GHS02

Signal world: Danger

Hazard statements: H222 Extremely flammable aerosol.

Precautionary statements: P210 Keep away from heat/sparks/open flames/hot surfaces - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container – 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

Results of PBT- and zPzB-assessment
PBT: Not applicable.
zPzB: Not applicable.

SECTION: Compositions/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components			
LPQ	CAS: 68476-85-7	>90%	F; R12 Flamm. Aerosol. 1 H222; Eye irrit. 2, H319; STOT SE 1, H370; H280
Propan-2-ol	CAS: 67-63-0 EINECS: 200-661-7 REACH nr.: 01-2119457558-25	<5%	Xi R36; F R11 R67 S 2-7-16-24/25-26 Flam. Liq. 2, H225; Eye irrit. 2, H319; STOT SE 3, H336
Androst-16-en -3-on	CAS: 18339-16-7	<0,05%	Not listed.

Additional information:
For possible hazards please refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
After inhalation: Supply fresh air; keep warm. Consult doctor. If necessary apply oxygen.
After skin contact: Remove contaminated clothing. Wash skin thoroughly with water and soap.
After eye contact: Immediately rinse with water for at least 15 minutes. Consult doctor.
After swallowing: Do not induce vomiting. Consult a doctor immediately. Rinse mouth thoroughly with water.
4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Fire fighting measures

5.1 Extinguishing media
Suitable extinguishing media
CO2, powder or foam.
5.2 Special hazards arising from the substance or mixture
Keep containers cool with water. Heating causes the pressure to rise with the risk of the aerosol bursting or shooting away. Vapors of the mixture can cause an explosive mixture with air.
5.3 Advice for fire-fighters
Protective equipment: Wear a gas mask when exposed to vapors.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear a gas mask, rubber gloves and safety goggles.
6.2 Environmental precautions: No further relevant information available.
6.3 Methods and material for containment and cleaning up: Let the product evaporate in a well-ventilated area away from sources of ignition.
6.4 Reference to other sections:
See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.
See section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:
Keep away from children. Avoid the inhalation of vapors.
Information about fire- and explosion protection: Keep away from ignition sources. Protect from sunlight. Do not pierce.
7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storage rooms and reservoirs: No special requirements.
Information about storage in a common storage facility: No special requirements.
Further information about storage conditions: Androstenon is not toxic, but the androgen hormone should be treated with care.
7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see section 7.
8.1 Control parameters
No data available.
8.2 Exposure controls:
Personal protective equipment:
General protective and hygienic measures: Wash hands before every break and at the end of the work day.
Respiratory protection: Only use the product in a well ventilated area.
Protection of hands: Wear rubber safety gloves to prevent hazardous consequences with repeated use.
Material of gloves:
The selection of suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and therefore has to be checked prior to the application.
Penetration time of glove material
The exact break through time has to be found out by the manufacturer and has to be taken in to account.
Eye protection:


Wear safety goggles.
It is strongly recommended to wear safety goggles when handling this product.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
General Information
Appearance:

Shape	: Liquid
Color	: Dark yellow, light brown

Smell	: A very fine spray with characteristic smell
Odor threshold	: Not determined
pH-value at 20ºC	: Not determined
State change	
Melting point	: -176,11 ºC
Boiling point	: >-42,44 ºC
Flash point	: -135,85 ºC (closed cup)
Flammability (solid,gas)	: Not determined
Ignition temperature	: Not determined
Decomposition temperature	: Not determined
Self ignition	: >384,85ºC
Danger of explosion	: Heating causes the pressure to rise with the risk of the aerosol bursting or shooting away.
Explosion limits	
Bottom	: 1%
Upper	: 9,5%
Vapor pressure at 20ºC	: Not determined
Density at 20ºC	: Not determined
Relative density	: Not determined
Vapor density	: Not determined
Evaporation rate	: Not determined
Solubility in water	: Not miscible
Partition coefficient (n-octanol/water)	: Not determined
Viscosity	
Dynamic	: Not determined
Kinematic	: Not determined
Other information	: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical Stability

Chemically stable under normal conditions.

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Conditions to avoid: Temperature above 50ºC and open fire.

10.5 Incompatible materials: Oxidizing agents, reducing agents, acids and alkalis.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Isopropyl Alcohol (67-63-0)	
LD50 oral rat	> 2000 mg/kg GLP; no,(literature value)
LD50 dermal rabbit	> 2000 mg/kg GLP; no,(literature value)

LPQ (68476-85-7)	
LD50, acute, oral, rat	5,48 g/kg
LD50, acute, oral, mouse	1093 mg/l

Primary irritant effect:
On the skin: No irritating effect.
On the eye: No irritating effect.
Sensitization: May cause irritation in the eyes, mouth, throat and mucosa. Repeated contact can cause skin infection.

SECTION 12: Ecological information

12.1 Toxicity

Isopropyl alcohol (67-63-0)	
LC50 fish	> 100 mg/l Leuciscus idus melanotus, 48 hour, standing stil, GLP: nee, (literatuurwaarde)
EC50 Daphnia	> 100 mg/l Daphnia Magna, 48h, static test, GLP: nee, (literature value)
EC50 (algae)	> 100 mg/l Scenedesmus subspicatus, 72h, static test, GLP,: nee, (literature value)

12.2 Persistence and degradability

Isopropyl alcohol (67-63-0)	
Biodegradation	> 70% Result: Easy biological degradable, 10 days, 7 mg/l, GLP: no, (literature value)

12.3 Bioaccumulation:
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability: No further relevant information available.
12.3 Bioaccumulation: No further relevant information available.
12.4 Mobility in soil: No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (D) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Water hazard class (NL) 11: Little hazard for organisms living in the water.
Results of PBT- and zPzB-assessment
PBT: Not applicable.
zPzB: Not applicable.
Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation: Let the product evaporate in a well-ventilated area and keep away from ignition sources.

Recommendation for packaging: Do not pierce or burn.

SECTION 14: Transport information

14.1 VN number
ADR, ADN, IMDG, IATA UN1950
14.2 UN proper shipping name
ADR 1950, aerosols (AEROSOLS)
IMDG aerosols (AEROSOLS)
IATA aerosols (AEROSOLS)
14.3 Transport hazard class(es)

ADR

Class	2 (F1)Flammable liquids
Label	2.1

IMDG, IATA

Class	2 Flammable liquids
Label	2.1
14.4 Packing groups	
ADR,IMDG, IATA	none
14.5 Environmental hazards	
Marine pollutant	No
14.6 Special precautions for user	Warning: flammable liquids
EMS-number	F-D*, S-U
Tunnel restriction code	D
14.7 Transport in bulk according to Annex II of MARPOL 73/78 en de IBC code	Not applicable

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VN "Model regulation"	UN 1950, Aerosols (AEROSOLEN), 2, (D).

SECTION 15: Regulatory information

15.1 Specific safety, health and environment regulations and legislation of the substance or the mixture.

National regulations:

No further relevant information available.

Water hazard class: Water hazard class (NL) 11: Sanitation B

15.2 Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16: Other information

This information is based on our current knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Statement of changes:

14	changed
16	changed

Relevant phrases:
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapor.
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs.

R11 Highly flammable.
R12 Extremely Flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Abbreviations:
ADR: (Accord européen relatif au transport international des marchandises dangereuses par Route)
ADN: (Accord européen relatif au transport international des marchandises dangereuses par voies de Navigation intérieur)
DNEL: (Derived No Effect Level)
EmS: (Emergency Schedule)
IMDG: (International Maritime Code for Dangerous Goods)
IATA: International Air Transport Association.
NVIC: Nationaal Vergiftigingen Informatie Centrum.
PBT: Persistent, bioaccumulerend en toxisch.
PNEC: (Predicted No Effect Concentration)
REACH: Registratie, Evaluatie en Autorisatie van Chemicaliën.
zPzB: zeer persistent en zeer bioaccumulerend.