

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

1.1 Product identifier

Trade name: Universal Spray Super 6+

This safety data sheet pertains to the following products:

14193 = Universal Spray Super 6+

408773 = Universal Spray

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

General use: Lubricating agent, rust dissolver. Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company name: Berner Produkten b.v.

Street/POB-No.: Vogelzankweg 175

Postal Code, city: 6374 AC Landgraaf

Netherlands

WWW: www.berner.nl

E-mail: info@berner.nl

Telephone: +31 45 53 39 133

Department responsible for information:

E-mail: Productsafety.Chemicals@berner-group.com

1.4 Emergency telephone number

Poisons information service:

National Poisons Information Service (Birmingham Unit): 844 892 0111

Transport:

CONSULTANK Lutz Harder GmbH (Contract Qualisys/Berner)

Telephone: +49 (178) 4337434 (from USA: 01149 178 4337434)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

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

(EUH066) Repeated exposure may cause skin dryness or cracking.

2.2 Label elements

Labelling (CLP)



Signal word:

Danger

Hazard statements:

H304

May be fatal if swallowed and enters airways.

H411

Toxic to aquatic life with long lasting effects.

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary statements:	P273	Avoid release to the environment.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
	P331	Do NOT induce vomiting.
	P391	Collect spillage.
	P405	Store locked up.

Special labelling

Text for labelling: Contains:
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
Distillates (petroleum), hydrotreated light naphthenic
base oil - unspecified

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

CAS No.	Designation	PBT/vPvB	ED Human	ED Environment
1330-78-5	Tris(methylphenyl) phosphate		List III	

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119458869-15-xxxx list no. 925-653-7 CAS 64742-81-0	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) Asp. Tox. 1; H304. Aquatic Chronic 3; H412. (EUH066).	50 - 100 %
REACH 01-2119480375-34-xxxx EC No. 265-156-6 CAS 64742-53-6	Distillates (petroleum), hydrotreated light naphthenic, base oil - unspecified Asp. Tox. 1; H304.	10 - 25 %
REACH 01-2119531335-46-xxxx EC No. 215-548-8 CAS 1330-78-5	Tris(methylphenyl) phosphate Repr. 2; H361fd. Aquatic Acute 1; H400. Aquatic Chronic 1; H410.	< 2.5 %
REACH 01-2119488942-23-xxxx EC No. 205-743-6 CAS 149-57-5	2-Ethylhexanoic acid Repr. 1B; H360D.	< 0.3 %
REACH 01-2119484818-20-xxxx EC No. 204-690-6 CAS 124-22-1	Dodecylamine Skin Corr. 1B; H314. Eye Dam. 1; H318. STOT SE 3; H335. STOT RE 2; H373. Asp. Tox. 1; H304. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. M-factors: Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 10.	< 1 %

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	Move victim to fresh air. In the event of discomfort seek medical treatment. If breathing becomes irregular or ceases, apply rescue breathing or artificial respiration immediately, where required supply oxygen.
Following skin contact:	In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
After swallowing:	Rinse mouth with water. Never give anything by mouth to an unconscious person. Immediately get medical attention. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

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: Extinguishing powder, carbon dioxide, Water spray jet, alcohol resistant foam.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.

Furthermore, there may develop: carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Hazchem-Code: •3Z

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray.

Avoid contact with the substance. If possible, eliminate leakage.

Wear appropriate protective equipment. Keep unprotected people away.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.

6.3 Methods and material for containment and cleaning up

Special danger of slipping by leaking/spilling product.

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, universal binding agents, sawdust).

Dispose of waste according to applicable legislation.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64742-81-0	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Great Britain: WEL-TWA	500 mg/m ³ (Aromatics)
115-86-6	Triphenyl phosphate	Great Britain: WEL-STEL Great Britain: WEL-TWA	6 mg/m ³ 3 mg/m ³

8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

Personal protection equipment

Occupational exposure controls

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Use filter type AX according to EN 14387.

Hand protection: Protective gloves according to BS EN 374.
Glove material: Nitrile rubber - Layer thickness: > 0.68 mm.
Breakthrough time: >480 min.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to BS EN ISO 16321-1:2022.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Avoid inhalation and contact with skin and eyes. Take off contaminated clothing and wash it before reuse. Keep away from food, drink and animal feedingstuffs. Wash hands thoroughly after handling.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Colour: yellow
Odour:	Characteristic
Odour threshold:	Not determined
pH:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	180 °C
Flash point/flash point range:	66 °C
Evaporation rate:	Not determined
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): Not determined UEL (Upper Explosive Limit): Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Density:	at 20 °C: 0.82 g/mL
Water solubility:	Slightly miscible
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	Not self-igniting
Decomposition temperature:	No data available
Viscosity, dynamic:	Not determined
Viscosity, kinematic:	Not determined
Explosive properties:	Product is not explosive.
Oxidizing characteristics:	No data available

9.2 Other information

Additional information:	No data available
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SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

	No hazardous decomposition products when regulations for storage and handling are observed.
Thermal decomposition:	No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects:

Acute toxicity (oral): Based on available data, the classification criteria are not met.
Acute toxicity (dermal): Based on available data, the classification criteria are not met.
Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/irritation: Based on available data, the classification criteria are not met.
Sensitisation to the respiratory tract: 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/Genotoxicity: 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.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.
Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.

Other information:

Information about Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):
LD50 Rat, oral: > 5,060 mg/kg (OECD 401)
LD50 Rabbit, dermal: approx. 3,400 mg/kg (OECD 402)
Information about Tris(methylphenyl) phosphate:
LD50 Rat, oral: > 3,700 mg/kg
LD50 Rabbit, dermal: 10,000 mg/kg
Information about Dodecylamine:
LD50 Rat, oral: 1,020 mg/kg
Information about 2-Ethylhexanoic acid:
LD50 Rat, oral: 2,043 mg/kg (OECD 401)
LD50 Rabbit, dermal: > 2,000 mg/kg (OECD 402)

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Toxic to aquatic life with long lasting effects.
Information about Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%):
Daphnia toxicity:
EC50 Daphnia magna (Big water flea) 10 - 22 mg/L (OECD 202)
Information about 2-Ethylhexanoic acid:
Daphnia toxicity:
EC50 Daphnia magna (Big water flea) 85.4 mg/L

12.2 Persistence and degradability

Further details:

No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.
Avoid spills and leaks. Very small amounts contaminates drinking water.

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Product**

Waste key number: 14 06 03* = other solvents and solvent mixtures
* = Evidence for disposal must be provided.

Recommendation: Do not dispose of with household waste. Do not allow to enter into ground-water, surface water or drains.

Package

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

SECTION 14: Transport information**14.1 UN number**

ADR/RID, IMDG, IATA-DGR: UN 3082

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: UN 3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Tris(methylphenyl) phosphate, Dodecylamine.)

14.3 Transport hazard class(es)

ADR/RID: Class 9, Code: M6
IMDG: Class 9, Subrisk -
IATA-DGR: Class 9

14.4 Packing group

ADR/RID, IMDG, IATA-DGR: III

14.5 Environmental hazards

Marine pollutant: yes



14.6 Special precautions for user**Land transport (ADR/RID)**

Warning board:	ADR/RID: Kemmler-number 90, UN number UN 3082
Hazard label:	9
Special Provisions:	274 335 375 601
Limited quantities:	5 L
EQ:	E1
Package - Instructions:	P001 IBC03 LP01 R001
Package - Special Provisions:	PP1
Special provisions for packing together:	MP19
Portable tanks - Instructions:	T4
Portable tanks - Special Provisions:	TP1 TP29
Tank coding:	LGBV
Tunnel restriction code:	-

Sea transport (IMDG)

EmS:	F-A, S-F
Special Provisions:	274 335 969
Limited quantities:	5 L
Excepted quantities:	E1
Package - Instructions:	P001, LP01
Package - Provisions:	PP1
IBC - Instructions:	IBC03
IBC - Provisions:	-
Tank instructions - IMO:	-
Tank instructions - UN:	T4
Tank instructions - Provisions:	TP2, TP29
Stowage and handling:	Category A.
Properties and observations:	-
Segregation group:	none

Air transport (IATA)

Hazard label:	Miscellaneous & Environmentally hazardous
Excepted Quantity Code:	E1
Passenger and Cargo Aircraft: Ltd. Qty.:	Pack.Instr. Y964 - Max. Net Qty/Pkg. 30 kg G
Passenger and Cargo Aircraft:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Cargo Aircraft only:	Pack.Instr. 964 - Max. Net Qty/Pkg. 450 L
Special Provisions:	A97 A158 A197 A215
Emergency Response Guide-Code (ERG):	9L

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations - Great Britain**

Hazchem-Code:	•3Z
	No data available

National regulations - EC member states

Further regulations, limitations and legal requirements:

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances
[Seveso-III-Directive]

Environmental hazards: Code E2, Quantity threshold 200 000 kg / 500 000 kg

Use restriction according to REACH annex XVII, no.: 3, 75

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances
[Seveso-III-Directive]: E2**15.2 Chemical Safety Assessment**

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information**Further information**

Wording of the H-phrases under paragraph 2 and 3:

H304 = May be fatal if swallowed and enters airways.

H314 = Causes severe skin burns and eye damage.

H318 = Causes serious eye damage.

H335 = May cause respiratory irritation.

H360D = May damage the unborn child.

H361fd = Suspected of damaging fertility. Suspected of damaging the unborn child.

H373 = May cause damage to organs through prolonged or repeated exposure.

H400 = Very toxic to aquatic life.

H410 = Very toxic to aquatic life with long lasting effects.

H411 = Toxic to aquatic life with long lasting effects.

H412 = Harmful to aquatic life with long lasting effects.

EUH066 = Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms: ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
Asp. Tox.: Aspiration toxicity
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EC50: Effective Concentration 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LD50: Lethal dose 50%
LEL: Lower Explosion Limit
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
M-factor: Multiplication factor
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.: Reproductive toxicity
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Corr.: Skin corrosion
STOT RE: Specific target organ toxicity - repeated exposure
STOT SE: Specific target organ toxicity - single exposure
TRGS: Technical Rules for Hazardous Substances
UN: United Nations
vPvB: Very persistent and very bioaccumulative

Reason of change:

Changes in section 3: Composition/information on ingredients

Date of first version:

12/3/2021



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006, as retained and amended in UK law [UK REACH]

Universal Spray Super 6+

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Page: 10 of 10

Department issuing data sheet

Contact person: see section 1: Department responsible for information

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