

Safety Data Sheet

Version: 1.0
Revision Date: 01/30/2023
Print Date: 01/30/2023

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name: **XTACT(SCV2_P5)**
Product ID: **HR014**
- **POOL ONE SCV2, POOL B SCV2, POOL A, POOL C SCV2, POOL D SCV2
and POOL NEG SCV2
BUFFER R SCV2 and BUFFER C SCV2**

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

Identified uses: Laboratory chemicals

1.3 Details of the supplier of the safety data sheet

Company: Hyris srl
Corso Giuseppe Garibaldi, 60
20121 Milano (MI)
Italia
Telephone: +39 0282951302
Mail: support@hyris.net

1.4 Emergency Telephone Number

Poison control center 1 -800-222-1222

2. HAZARDS IDENTIFICATION

2.0 Classification of the complete Product

Not classified

2.1 Classification of the Substance(s) or Mixture(s)

POOL ONE SCV2, POOL B SCV2, POOL A, POOL C SCV2, POOL D SCV2 and POOL NEG SCV2
Not classified

BUFFER R SCV2 and BUFFER C SCV2

Not classified

2.2 GHS Label elements, including precautionary statements

POOL ONE SCV2, POOL B SCV2, POOL A, POOL C SCV2, POOL D SCV2 and POOL NEG SCV2
Do not need labelling as hazardous
Signal Word: -

BUFFER R SCV2 and BUFFER C SCV2

Do not need labelling as hazardous
Signal Word: -

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

- none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances or 3.2 Mixtures

POOL ONE SCV2, POOL B SCV2, POOL A, POOL C SCV2, POOL D SCV2 and POOL NEG SCV2

Components	Classification	Concentration
DMSO (Methyl sulfoxide)		
CAS-No.	67-68-5	/
EC-No.	200-664-3	
		>60 %

BUFFER R SCV2 and BUFFER C SCV2

No hazardous ingredients

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Not to induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature -20 °C

Do not store with foods, medicine or feeding stuff

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

POOL ONE SCV2, POOL B SCV2, POOL A, POOL C SCV2, POOL D SCV2 and POOL NEG SCV2

No additional information available

BUFFER R SCV2 and BUFFER C SCV2

No additional information available

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

POOL ONE SCV2, POOL B SCV2, POOL A, POOL C SCV2, POOL D SCV2 and POOL NEG SCV2

a) Appearance	Form: liquid Colour: Colourless
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	8 – 9 at 25°C
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

BUFFER R SCV2 and BUFFER C SCV2

a) Appearance	Form: liquid Colour: colourless
b) Odour	No data available
c) Odour Threshold	No data available
d) pH	6 – 8 at 25°C
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available

j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Acid chlorides, Phosphorus halides, Strong acids, Strong oxidizing agents, Strong reducing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known.

Other decomposition products - No data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information relating to the ingredients not in the mixture.

POOL ONE SCV2, POOL B SCV2, POOL A, POOL C SCV2, POOL D SCV2 and POOL NEG SCV2

Acute toxicity

DMSO:	LD50 Oral - Rat - 28300 mg/kg
	CL0 inhalation - Rat - 4 h -> 5.33 mg/L
	DL50 Dermal - Rat - 40000 mg/m3

Skin corrosion/irritation

DMSO:	Skin - Rabbit - 4 hours - Slight irritation
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Serious eye damage/eye irritation

DMSO:	Eyes - Rabbit - 24h - Slight irritation
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Respiratory or skin sensitisation

DMSO: Maximization Test - Guinea Pig - Negative
Local Lymph Node Assay (LLNA) – Mouse - Negative

Germ cell mutagenicity

DMSO: Ames test Salmonella typhimurium - Negative
Chinese Hamster Ovary Cell Sister Chromatid Exchange Assay - Negative
Mutagenicity (mammal cell test): chromosome aberration. Chinese hamster ova cells - Negative
OECD Test Guideline 474 Rat - male and female - Negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

Repeated Dose Toxicity - Rat - male and female - Oral - 18 Months - No observed adverse effect level - 3,300 mg/kg - Lowest observed adverse effect level - 9,900 mg/kg

Repeated Dose Toxicity - Monkey - Male and Female - Dermal - 18 Months - No Observed Harmful Level - >= 8,910 mg/kg - Lowest Observed Harmful Level - 990 mg/kg RTECS: PV6210000

Exposure to high doses can cause: skin redness, itching, burning, sedation, headache, nausea, dizziness.

To our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

BUFFER R SCV2 and BUFFER C SCV2

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

To our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

Information relating to the ingredients not in the mixture.

12.1 Toxicity

Toxicity to fish static test LC50 - Danio rerio (zebra fish) - > 25.000 mg/l - 96h
(OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Static test EC50 - Daphnia magna (Water flea) - 24.600mg/l - 48 h
(OECD Test Guideline 202)

Toxicity to algae Static test EC50r - Pseudokirchneriella subcapitata (chlorophytum algae) - 17.000 mg/l - 72 h
(OECD Test Guideline 201)

Toxicity for bacteria EC50 - activated sludge - 10 - 100 mg/l - 30 min
(ISO 8192)

12.2 Persistence and degradability

Aerobic biodegradability - Exposure time 28 d

Result: 31 % - Not immediately biodegradable.
(OECD Test Guideline 301D)

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

	CAS -No.	Revision Date
Water	7732-18-5	

New Jersey Right To Know Components

	CAS -No.	Revision Date
Water	7732-18-5	

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information

Hyris srl granted to make unlimited paper copies for internal use only.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Hyris srl shall not be held liable for any damage resulting from handling or from contact with the above product.

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