

PENTASPRAY SR +

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

1.1 - Product identifier

Trade name/designation PENTASPRAY SR +

Chemical name

Product-type Mixture

Product code 10580-10581

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

Relevant identified uses

- For professional use only
- ready-for-use product
- Biocidal product
- Product-type 1: Human hygiene
- Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals
- Product-type 4: Food and feed area

Uses advised against

- Do not spray on naked flames or any incandescent material.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

1.3 - Details of the supplier of the safety data sheet

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1.4 - Emergency telephone number

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 3	Flammable liquid and vapour. - Category 3
Eye Irrit. 2	Eye irritation - Category 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Warning

Hazard pictograms



Hazard statements

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H226	Flammable liquid and vapour
H319	Causes serious eye irritation

Precautionary statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents, container in an approved treatment center.

EUH-phrases : None

Regulation (EC) No. 648/2004 (Detergents regulation)

Contains:

- Disinfectants
- perfumes

2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
	CAS No. : 64-17-5 Index No. : 603-002-00-5 EC No. : 200-578-6 REACH No. : 01-2119457610-43-XXXX	50 - 70	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225	Eye Irrit. 2 - H319 : 50>=%<=100

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- No special measures are necessary.
- Provide fresh air.

Following skin contact

- When in doubt or if symptoms are observed, get medical advice.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation

- No information available.

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Symptoms and effects - Following skin contact - No information available.

Symptoms and effects - After eye contact - May cause irritation to the eyes

Symptoms and effects - After ingestion - No information available.

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

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

Hazardous decomposition products - No information available.

5.3 - Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.
- Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.
- Remove all sources of ignition.

For emergency responders - No information available.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

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SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid: Eye contact
- The product should be use as directed spray to avoid any eye contact
- When using do not smoke.
- Use only in well-ventilated areas.

Advices on general occupational hygiene

- Wearing personal protective equipment is not necessary under normal conditions of use.
- This product is only approved for the following uses:
- Spray at 30cm from the surfaces
- For use in original packaging

7.2 - Conditions for safe storage, including any incompatibilities

- Storage class Flammable liquids
- Keep container tightly closed and in a well-ventilated place.
- Do not store together with: Combustible substance
- Protect against: Heat

7.3 - Specific end use(s)

- Surface disinfectant
- Hand hygiene

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- Eye protection: when liquid transfer takes place

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	colourless	<u>Odour</u>	EUCALYPTUS
Odour threshold		No data available	
pH		8 < V < 9	
Melting point		No data available	
Freezing point		-37 °C	
Boiling point		78 °C < V < 100 °C	
Flash point		23 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	

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Upper explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Density	0,89 g/cm ³ < V < 0,91 g/cm ³
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

9.2 - Other information

VOC content	54 %
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- In case of warming: Ignition hazard

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- No information available.

SECTION 11: Toxicological information

11.1 - Information on toxicological effects

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available

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LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Skin corrosion/irritation

- Not classified

Serious eye damage/eye irritation

- Eye irritation - Category 2 - Causes serious eye irritation

- Irritating to eyes.

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

Aspiration hazard

- Not classified

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

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- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods : - Dispose of waste according to applicable legislation.

Sewage disposal : - No information available.

Special precautions for waste treatment : - No information available.

Community or national or regional provisions : - No information available.

SECTION 14: Transport information

14.1 - UN number

UN number (ADR) : UN1170
UN number (RID) : Not applicable
UN number (ADN) : Not applicable
UN number (IMDG) : Not applicable
UN number (IATA) : Not applicable

14.2 - UN proper shipping name

UN proper shipping name (ADR) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 3
ADR Classification code: : F1
Pictograms



Pictograms

14.4 - Packing group

Packing group : III

14.5 - Environmental hazards

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Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

ADR

ADR Classification code: : F1
ADR Special provisions : 144+601
ADR Limited quantity (LQ) : 5 L
ADR Excepted quantities : E1
ADR Packing instructions : P001 IBC03 LP01 R001
ADR Special packing provisions :
ADR Mixed packing provisions : MP19
Instructions for portable tanks and bulk containers : T2
Special provisions for portable tanks and bulk containers : TP1
ADR tank code : LGBF
ADR tanks special provisions :
Vehicle for tank carriage : FL
ADR Transport category : 3
ADR Tunnel restriction code : D/E
ADR Special provisions loading, unloading and handling :
Special provisions - Packages : V12
Special provisions - Bulk :
Special provisions - Operation : S2
ADR Hazard identification number (Kemler No.) : 30

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

SECTION 15: Regulatory information

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

Substances REACH candidates : None

Substances Annex XIV : None

Substances Annex XVII : None

VOC content : 54 %

- Regulation (UE) n ° 528/2012 of the European Parliament and of the Council of 22 May 2012 and its adaptations
- Product-type 1: Human hygiene
- Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals
- Product-type 4: Food and feed area
- Biocidal active agent
- Ethanol N°CAS: 64-17-5 at 54% w/w

Regulation (EC) No. 648/2004 (Detergents regulation)

Contains:

- Disinfectants
- perfumes

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Website <https://obioseed.com/>

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Description of the amendments
2,2	17/04/2020	

Texts of the regulatory sentences

Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H319	Causes serious eye irritation

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