

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

1.1. Product identifier

Product form : Mixture
Product name : PHAGO'RUB SOLUTION SPS
UFI : 1XA6-UFJH-300D-FY36
Product code : 1590
Type of product : Biocidal products (e.g. Disinfectants, pest control)
Product group : Mixture

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Hydroalcoholic solutions

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Christeyns France
31 rue de la Maladrie
44120 VERTOU
France
T +33 (0)240 80 27 27 - F +33 (0)240 03 09 73
health-security@christeyns.fr - www.christeyns.com

Distributor

Christeyns UK Ltd.
Rutland Street
GB- Bradford BD4 7EA
United Kingdom
T +44 (0)1274 39 32 86 - F +44 (0)1274 30 91 43
info@christeyns.be - www.christeyns.com

Distributor

Christeyns Food Hygiene Ltd. Ltd
2, Cameron Court, Winwick Quay
GB- WA2 8RE Warrington – Cheshire
United Kingdom
T +44 (0)1925 23 46 96 - F +44 (0)1925 23 46 93
UK-foodinfo@christeyns.com - www.christeyns.com

Distributor

Casoria Company Ltd. Ltd
1 Farnham Street
IE- H12 A9K0 Cavan – Co. Cavan
Ireland
T 00353 49 4361869 - F 00353 49 436 1869
sds@casoria.ie - www.casoria.ie

Distributor

Christeyns Technologies Ltd.
Mazars, Block 3, Harcourt Centre, Harcourt Road
IE- 2 Dublin
Ireland
T +353 1 8146022

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2 H225
Serious eye damage/eye irritation, Category 2 H319
Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP)



CLP Signal word

: Danger

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.
H319 - Causes serious eye irritation.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, open flames, sparks. – No smoking.
P273 - Avoid release to the environment.
P280 - Wear eye protection.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 - Store in a well-ventilated place. Keep cool.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

Component	
tetradecanol (112-72-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethanol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, LT, LV, NL, PL, PT, RO, SE, SI, SK, IS, NO, CH)	CAS-no: 64-17-5 Einecs nr: 200-578-6 EG annex nr: 603-002-00-5 REACH-no: 01-2119457610-43	≥ 60	Flam. Liq. 2, H225 Eye Irrit. 2, H319
tetradecanol substance with national workplace exposure limit(s) (SI)	CAS-no: 112-72-1 Einecs nr: 204-000-3 REACH-no: 01-2119485910-33	< 1	Eye Irrit. 2, H319 Aquatic Chronic 1, H410

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice

: In case of doubt or persistent symptoms, consult always a physician.

Inhalation

: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact

: Take off contaminated clothing and wash it before reuse. Rinse skin with plenty of water or shower.

Eye contact

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

: Rinse mouth with water, do not induce vomiting, call a doctor.

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

Acute effects inhalation

: No data available.

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Acute effects skin	: No data available.
Acute effects eyes	: Causes serious eye irritation.
Acute effects oral route	: No data 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	: Foam, powder, carbon dioxide (CO ₂), water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Combustion products may include the following: carbon oxides (CO, CO ₂) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO ₂ etc.).
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5.3. Advice for firefighters

Firefighting instructions	: Fight fire with normal precautions from a reasonable distance. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Use a self-contained breathing apparatus and also a protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Concerning personal protective equipment to use, see section 8.
Emergency procedures	: Only qualified personnel equipped with suitable protective equipment may intervene. Evacuate unnecessary personnel. Avoid contact with skin and eyes. Ventilate spillage area. Do not breathe vapours.

6.1.2. For emergency responders

Protective equipment	: Use self-contained breathing apparatus and chemically protective clothing.
Emergency procedures	: Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment	: Absorb spilled material with sand or earth.
Methods for cleaning up	: Clear up rapidly by scoop or vacuum. Wash away remainder with plenty of water.
Other information	: Dispose of in accordance with relevant local regulations.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with eyes. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Use explosion-proof equipment. Use only non-sparking tools. Ground/bond container and receiving equipment.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in original container. Store at ambient temperature. Protect from sunlight.
Storage temperature	: 5 – 30 °C
Material(s) to avoid	: Not determined.
Storage area	: Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Ethanol (64-17-5)	
United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (OEL TWA) [1]	1920 mg/m ³
WEL TWA (OEL TWA) [2]	1000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

tetradecanol (112-72-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	125 mg/kg bodyweight/day
Acute - systemic effects, inhalation	220 mg/m ³
Long-term - systemic effects, dermal	125 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	220 mg/m ³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	75 mg/kg bodyweight
Acute - systemic effects, inhalation	65
Acute - systemic effects, oral	75 mg/kg bodyweight
Long-term - systemic effects, oral	75 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	65 mg/m ³
Long-term - systemic effects, dermal	75 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.00032 mg/l
PNEC aqua (marine water)	0.000032 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.36 mg/kg dwt
PNEC sediment (marine water)	0.036 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.28 mg/kg dwt

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Not required for normal conditions of use

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8.2.2.2. Skin protection

Protective equipment:

No special required clothing

Hand protection:

Not required

8.2.2.3. Respiratory protection

Respiratory protection:

Not required

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Physical state/form	: Liquid.
Odour	: Alcohol.
Odour threshold	: Not available
Melting point/range	: Not determined as it is not relevant for the characterization of the product
Freezing point	: Not determined as it is not relevant for the characterization of the product
Softening point	: Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range	: > 35 °C
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: 3.1 vol % Ethanol
Upper explosion limit	: 27.7 vol % Ethanol
Flash point	: 19 °C
Autoignition temperature	: 360 – 425 °C Ethanol
Decomposition temperature	: Not determined as it is not relevant for the characterization of the product
pH	: 5 – 8
pH solution concentration	: 100 %
Viscosity, kinematic	: Not available
Solubility	: Water: 100 %
Partition coefficient n-octanol/water (Log Kow)	: Not available
Log Pow	: Not applicable for preparations
Vapour pressure	: 57.3 hPa Ethanol
Vapour pressure at 50°C	: Not available
Density	: 0.86 g/cm ³
Relative density	: 0.852 – 0.869
Relative vapour density at 20°C	: 1.59 Ethanol
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content : 72 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

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10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Ethanol (64-17-5)

LC50 Inhalation - Rat (Vapours)

51 mg/l/4h

Skin corrosion/irritation : Not classified

pH: 5 – 8

Serious eye damage/irritation : Causes serious eye irritation.

pH: 5 – 8

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

Ethanol (64-17-5)

NOAEL (oral, rat)

1730 mg/kg bodyweight (90d, female)

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

tetradecanol (112-72-1)

NOEC (chronic)

> 0.001 (≤ 0.01) mg/l

12.2. Persistence and degradability

Ethanol (64-17-5)

Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

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Log Pow

Not applicable for preparations

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component

tetradecanol (112-72-1)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

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12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

Product/Packaging disposal recommendations

Waste / unused products

HP Code

: Dispose of in accordance with relevant local regulations.

: a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. Refer to manufacturer/supplier for information on recovery/recycling.

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

: HP3 - "Flammable:"

– flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;

– flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;

– flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;

– flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;

– water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;




– other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

HP4 - "Irritant – skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye.

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
UN 1993	UN 1993	UN 1993
14.2. UN proper shipping name		
FLAMMABLE LIQUID, N.O.S. (Ethanol)	FLAMMABLE LIQUID, N.O.S. (Ethanol)	Flammable liquid, n.o.s. (Ethanol)
Transport document description		
UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol), 3, II, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol), 3, II	UN 1993 Flammable liquid, n.o.s. (Ethanol), 3, II
14.3. Transport hazard class(es)		
3	3	3
		
14.4. Packing group		
II	II	II
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

Overland transport

Classification code (ADR)

: F1

Special provisions (ADR)

: 274, 601, 640D

Limited quantities (ADR)

: 1I

Packing instructions (ADR)

: P001, IBC02, R001

Mixed packing provisions (ADR)

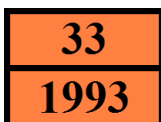
: MP19

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Portable tank and bulk container instructions (ADR) : T7
Portable tank and bulk container special provisions (ADR) : TP1, TP8, TP28
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Orange plates :



Tunnel code : D/E
EAC code : •3YE

Transport by sea

Special provisions (IMDG) : 274
Limited quantities (IMDG) : 1 L
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02

Air transport

PCA Limited quantities (IATA) : Y341
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 353
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 364
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Other information, restriction and prohibition regulations : Not affected by the conditions of restriction _ ANNEXE XVII.

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : 72 %

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Regulatory framework	Modified	

Other information

: It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. Such information is actually to be best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other product(s). EC Regulation 1272/2008 and its amendments.

Full text of H- and EUH-statements:	
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 2	H225	On basis of test data
Eye Irrit. 2	H319	Calculation method
Aquatic Chronic 3	H412	Calculation method

Safety Data Sheet (SDS), EU

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.