



Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006, Regulation (EC) No. 1272/2008 and
Regulation (EU) No. 2020/878

Revision Date: 21-Feb-2023

Version 2

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

1.1. Product identifier

SDS # NPL-S138-EU
Product Name PIG Absorb-&-Lock Bio-Fluids Absorbent

Other means of identification

Pure substance/mixture Mixture

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

Recommended Use PIG® Absorb-&-Lock® Bio-Fluids Absorbent is an environmentally friendly solidifier of bodily fluids (blood borne pathogens), urine and vomit. This is a fast-acting solidifier which also has been formulated to reduce the odor of these spills immediately by adding a pleasant scent that is activated during the bonding process

1.3. Details of the supplier of the safety data sheet

Supplier

New Pig Ltd
Hogs Hill, Watt Place
Hamilton International Technology Park
Blantyre, Glasgow OAH, UK
E: pigpen@newpig.com
T: +44 (0) 1698 727 400 : www.newpig.co.uk

New Pig B.V.
Concorde 5
Business Park Midden-Brabant Poort
RM Gilze
Netherlands
E: pigpost@newpig.com
T: +31 (0) 76 596 9250
W: www.newpig.eu

For further information, please contact

Contact Point New Pig Ltd. T: +44 (0) 1698 727 400
New Pig B.V.T: +31 (0) 76 596 9250
Email Address UK: pigpen@newpig.com
B.V.: pigpost@newpig.com

1.4. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Emergency Telephone Number - §45 - (EC)1272/2008
Europe 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Chronic aquatic toxicity	Category 2 - (H411)
--------------------------	---------------------

2.2. Label elements



Hazard statements

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P273 - Avoid release to the environment

P391 - Collect spillage

P501 - Dispose of contents/ container to an approved waste disposal plant

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

No information available.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Chlorine 7782-50-5	<1	No data available	(017-001-00-7) 231-959-5	Acute Tox. 3 (H331) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Aquatic Acute 1 (H400) Ox. Gas 1 (H270) Press. Gas	-	100	100

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Chlorine 7782-50-5	5800 6800	No data available	Inhalation LC50 Rat 293 ppm 1 h (gas, Source: EU_RAR)	293	Inhalation LC50 Rat 293 ppm 1 h (gas, Source: EU_RAR) 146.5

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	In the case of skin irritation or allergic reactions see a doctor. Wash skin with soap and water.
Ingestion	Rinse mouth.

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

Symptoms	No information available.
-----------------	---------------------------

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

Note to doctors	Treat symptomatically.
------------------------	------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
-------------------------------------	---

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
---------------------------------------	---

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	No information available.
---	---------------------------

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

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

Storage class (TRGS 510) LGK 4.1B.

7.3. Specific end use(s)

Specific Use(s)

PIG® Absorb-&-Lock® Bio-Fluids Absorbent is an environmentally friendly solidifier of bodily fluids (blood borne pathogens), urine and vomit. This is a fast-acting solidifier which also has been formulated to reduce the odor of these spills immediately by adding a pleasant scent that is activated during the bonding process.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Chlorine 7782-50-5	-	TWA: 0.5 ppm TWA: 1.5 mg/m ³ STEL 0.5 ppm STEL 1.5 mg/m ³ Ceiling: 0.5 ppm Ceiling: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³ *
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Chlorine 7782-50-5	STEL: 0.5 ppm STEL: 1.5 mg/m ³	TWA: 0.5 mg/m ³ Ceiling: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 1.5 mg/m ³ STEL: 0.5 ppm	STEL: 0.5 ppm STEL: 1.5 mg/m ³
Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
Chlorine 7782-50-5	STEL: 0.5 ppm STEL: 1.5 mg/m ³	TWA: 0.5 ppm TWA: 1.5 mg/m ³	TWA: 0.5 ppm TWA: 1.5 mg/m ³ Peak: 0.5 ppm Peak: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 1.5 mg/m ³
Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
Chlorine 7782-50-5	STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³	TWA: 0.1 ppm TWA: 0.29 mg/m ³ STEL: 0.4 ppm STEL: 1.16 mg/m ³	TWA: 0.3 ppm TWA: 1 mg/m ³ STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Chlorine 7782-50-5	STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 1.5 mg/m ³	TWA: 0.5 ppm TWA: 1.5 mg/m ³ Ceiling: 1 ppm Ceiling: 3 mg/m ³	STEL: 1.5 mg/m ³ TWA: 0.7 mg/m ³
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Chlorine 7782-50-5	TWA: 0.5 ppm STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³	Ceiling: 1.5 mg/m ³	TWA: 0.5 ppm TWA: 1.5 mg/m ³ STEL: 0.5 ppm STEL: 1.5 mg/m ³	STEL: 0.5 ppm STEL: 1.5 mg/m ³
Chemical name	Sweden		Switzerland		United Kingdom
Chlorine 7782-50-5	Bindande KGV: 0.5 ppm Bindande KGV: 1.5 mg/m ³		TWA: 0.5 ppm TWA: 1.5 mg/m ³ STEL: 0.5 ppm STEL: 1.5 mg/m ³		STEL: 0.5 ppm STEL: 1.5 mg/m ³

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls No information available.

Personal Protective Equipment

Eye/face protection No special protective equipment required.

Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	White, loose particulate
Colour	White
Odour	Pleasant pine.
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flammability (Solid, Gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Flash point	No data available	
Autoignition temperature	280 °C	
Decomposition temperature		
pH	No data available	
pH (as aqueous solution)	No data available	
Kinematic viscosity	No data available	
Dynamic Viscosity	No data available	
Water solubility	Negligible	
Solubility(ies)	No data available	
Partition Coefficient	No data available	
Vapour Pressure	No data available	
Relative Density	0.82	(Water=1)
Bulk Density	No data available	
Liquid Density	No data available	
Vapour Density	No data available	
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

9.2.1. Information with regards to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous Polymerisation Will not occur.

10.4. Conditions to avoid

Conditions to avoid Keep out of reach of children.

10.5. Incompatible materials

Incompatible materials Water. Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous Decomposition Products Thermal decomposition may produce hydrogen cyanide (hydrocyanic acid), nitrogen oxides (NOx), carbon oxides (COx).

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information No acute toxicity information is available for this product

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Please see section 4 of this SDS for symptoms.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 40,000.00 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Chlorine	= 5800 mg/kg (Rat) = 6800 mg/kg (Rat)	-	= 293 ppm (Rat) 1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Not classified.
Serious eye damage/eye irritation	Not classified.
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.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other Adverse Effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Chlorine	-	LC50: =0.44mg/L (96h, Lepomis macrochirus) LC50: =0.014mg/L (96h, Oncorhynchus mykiss) LC50: 0.104 - 0.168mg/L (96h, Oncorhynchus mykiss) LC50: =0.08mg/L (96h, Pimephales promelas) LC50: =0.1mg/L (96h, Pimephales promelas)	-	LC50: =0.017mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence/Degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in Soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Chlorine	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IMDG

14.2 Proper Shipping Name Not regulated

RID

14.2 Proper Shipping Name Not regulated

ADR

14.2 Proper Shipping Name Not regulated

IATA

14.2 Proper Shipping Name Not regulated

SECTION 15: Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Chlorine - 7782-50-5	75.	-

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Chlorine - 7782-50-5	10	25

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Chlorine - 7782-50-5	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 5: Drinking water Product-type 11: Preservatives for liquid-cooling and processing systems Product-type 1: Human hygiene

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ELINCS	PICCS	ENCS	IECSC	AIC	KECL
Chlorine 7782-50-5 (<1)	X	X	X	X	X	X	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report

No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H270 - May cause or intensify fire; oxidiser

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H331 - Toxic if inhaled

H335 - May cause respiratory irritation

H400 - Very toxic to aquatic life

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)
 Ceiling Maximum limit value * Skin designation
 + Sensitisers

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
 Organisation for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Issue Date: 08-Jul-2022

Revision Date: 21-Feb-2023

Revision Note: Regulatory update

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet