

SAFETY DATA SHEET

according to Regulation (EC) No.1907/2006 (REACH) and Regulation (EU) No.2015/830

piggy®Guard anticorrosive,(21-PG400)

Revision date: 6/9/2017
Version: 13

Language: en-GB,IE

Date of print: 8/11/2017
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: piggy®Guard anticorrosive, 400 ml spray dispenser (21-PG400)

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

General use: Corrosion protection agent

1.3 Details of the supplier of the safety data sheet

Company name: Botzian & Kirch GmbH
Street/POB-No.: Heinz-Fröling-Str.9
Postal Code, city: 51429 Bergisch Gladbach
Germany
WWW: <http://www.diesparschweine.de>
Telephone: +49(0)2204-3066-0
Dept. responsible for information:
Technik,
Telephone:+49(0)2204-30 66-13, Email: info@diesparschweine.de

1.4 Emergency telephone number

Technik, Telephone: +49(0)2204-3066-0
Only available during office hours.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Aerosol 1; H222; H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2; H315 Causes skin irritation.
STOT SE 3; H336 May cause drowsiness or dizziness.
Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (CLP)



Signal word: **Danger**

Hazard statements: H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

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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.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P261	Avoid breathing spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

2.3 Other hazards

Container under pressure. Heating will lead to pressure increase: Danger of bursting and explosion. Potentially explosive mixtures may form if adequate ventilation is not provided.

Results of PBT and vPvB assessment:

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: Mixture of the substances listed below with non-hazardous additions

Contents of benzene: < 0,1%

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119475514-35-xxxx EC No. 921-024-6 CAS 64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	20 - 25 %	Flam. Liq. 2; H225. Skin Irrit. 2; H315. STOT SE 3; H336. Asp. Tox. 1; H304. Aquatic Chronic 2; H411.
EC No. 200-578-6 CAS 64-17-5	Ethanol	5 - 10 %	Flam. Liq. 2; H225.
EC No. 203-448-7 CAS 106-97-8	n-Butane, pure	25 - 50 %	Flam. Gas 1; H220. Liquef. Gas; H280.
EC No. 200-827-9 CAS 74-98-6	Propane	10 - 25 %	Flam. Gas 1; H220. Liquef. Gas; H280.

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

- In case of inhalation: Move victim to fresh air, put at rest and loosen restrictive clothing. If the casualty has difficulty breathing, call a doctor immediately.
- Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Change contaminated clothing. In case of skin irritation, consult a physician.
- After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of eye irritation consult an ophthalmologist.
- After swallowing: Swallowing is not regarded as a possible way of exposition.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.
May cause drowsiness or dizziness.

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, water fog, carbon dioxide.
- Extinguishing media which must not be used for safety reasons: Full water jet

5.2 Special hazards arising from the substance or mixture

Extremely flammable aerosol. Vapours can form explosive mixtures with air.
In case of fire may be liberated: Carbon monoxide and carbon dioxide.

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: -
Cool endangered containers with water spray and, if possible, remove from danger zone.
Heating will lead to pressure increase: Danger of bursting and explosion.
Use water spray jet to knock down vapours.
Do not allow fire water to penetrate into surface or ground water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all ignition sources if safe to do so.
Avoid contact with skin and eyes. Do not breathe vapour/aerosol.
In enclosed areas: Provide fresh air.
Wear appropriate protective equipment. Keep unprotected people away.

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6.2 Environmental precautions

Discharge into the environment must be avoided.
If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

If possible bring to the outside to enable outgassing.
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal. Final cleaning.
In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information: Use explosion-proof equipment and non-sparking tools/utensils.

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 breathe vapour/aerosol. Do not spray into eyes or onto the skin.

Wear appropriate protective equipment.

In enclosed areas/bins/containers: The material is to be handled with extreme caution.

Precautions against fire and explosion:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flames or any incandescent material. Use only non-sparking tools. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

In enclosed areas/bins/containers: Potentially explosive mixtures may form if adequate ventilation is not provided.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.

Protect against heat /sun rays.

Hints on joint storage:

Do not store together with combustible or self-igniting materials or any highly flammable solids.

Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	Great Britain: WEL-TWA	1800 mg/m ³ (C5-C6 alkenes)
64-17-5	Ethanol	Great Britain: WEL-TWA Ireland: 15 minutes	1920 mg/m ³ ; 1000 ppm 1000 ppm
106-97-8	n-Butane, pure	Great Britain: WEL-STEL Great Britain: WEL-TWA	1810 mg/m ³ ; 750 ppm (Carc, only applies if Butane contains more than 0.1% of buta-1,3-diene) 1450 mg/m ³ ; 600 ppm (Carc, only applies if Butane contains more than 0.1% of buta-1,3-diene)
		Ireland: 8 hours	1000 ppm
74-98-6	Propane	Ireland: 8 hours	1000 ppm

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A (= against vapours of organic substances) according to EN 14387. If higher concentrations occur: Wear self-contained breathing apparatus.

The following applies to Propane in general:
If the concentration is exceeded, closed-circuit breathing apparatus must be used!

Hand protection: Protective gloves according to EN 374.
Glove material: Nitrile rubber, butyl caoutchouc (butyl rubber) or fluoro rubber.
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Keep away from heat sources, sparks and open flames.
Change contaminated clothing. Do not breathe vapour/aerosol.
Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Wash hands before breaks and after work.
Have eye wash bottle or eye rinse ready at work place.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Form: Aerosol Colour: yellow
Odour:	characteristic
Odour threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 60 °C (active agent)
Flash point/flash point range:	-60 °C (n-Butane)
Evaporation rate:	No data available
Flammability:	Extremely flammable aerosol.
Explosion limits:	LEL (Lower Explosion Limit): 1.50 Vol-% (propellant) UEL (Upper Explosive Limit): 10.90 Vol-% (propellant)
Vapour pressure:	No data available
Vapour density:	No data available
Density:	0.76 g/mL (active agent)
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	No data available
Explosive properties:	Product is not explosive. Potentially explosive vapour/air mixtures may form.
Oxidizing characteristics:	No data available

9.2 Other information

Ignition temperature: 365 °C (propellant)

SECTION 10: Stability and reactivity

10.1 Reactivity

Extremely flammable aerosol.
Vapours can form explosive mixtures with air.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Container under pressure.
Heating will lead to pressure increase: Danger of bursting and explosion.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames.
Protect from direct exposure to sunlight and temperatures exceeding 50 °C.

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10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Skin Irrit. 2; H315 = Causes skin irritation.

Eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): STOT SE 3; H336 = May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Symptoms

In case of inhalation:

If higher concentrations occur: Mucous membrane irritation, cough, shortage of breath, headache, dizziness, narcosis, unconsciousness.

After contact with skin:

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

Further details: No data available

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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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 16 05 04* = Dangerous materials containing gases in pressure containers/Aerosol
* = Evidence for disposal must be provided.

Recommendation: Do not open with force or incinerate, even when empty.
Special waste. Dispose of waste according to applicable legislation.
Do not dispose of with household waste.

Contaminated packaging

Waste key number: 15 01 10 = packaging containing residues of or contaminated by dangerous substances.
Recommendation: Empty carefully and completely, if possible.
Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 UN number

ADR/RID, IMDG, IATA-DGR:
UN 1950

14.2 UN proper shipping name

ADR/RID, IMDG: UN 1950, AEROSOLS
IATA-DGR: UN 1950, AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR/RID: Class 2, Code: 5F
IMDG: Class 2, Subrisk-, see SP63
IATA-DGR: Class 2.1

14.4 Packing group

ADR/RID, IATA-DGR: not applicable
IMDG: -



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14.5 Environmental hazards

Marine pollutant: no

14.6 Special precautions for user

Land transport (ADR/RID)

Warning board: ADR: UN number UN 1950
RID: Kemmler-number 23, UN number UN 1950

Hazard label: 2.1

Special provisions: 190 327 344 625

Limited quantities: 1 L

EQ: E0

Contaminated packaging - Instructions: P207 LP200

Contaminated packaging - Special provisions: PP87 RR6 L2

Special provisions for packing together: MP9

Tunnel restriction code: D

Sea transport (IMDG)

EmS: F-D, S-U

Special provisions: 63, 190, 277, 327, 344, 381, 959

Limited quantities: See SP277

Excepted quantities: E0

Contaminated packaging - Instructions: P207, LP200

Contaminated packaging - Provisions: PP87, L2

IBC - Instructions: -

IBC - Provisions: -

Tank instructions - IMO: -

Tank instructions - UN: -

Tank instructions - Provisions: -

Stowage and handling: SW1 SW22

Segregation: SG69

Properties and observations: -

Segregation group: none

Air transport (IATA)

Hazard label: Flamm. gas

Excepted Quantity Code: E0

Passenger and Cargo Aircraft: Ltd.Qty.: Pack.Instr. Y203 - Max. Net Qty/Pkg. 30 kg G

Passenger and Cargo Aircraft: Pack.Instr. 203 - Max. Net Qty/Pkg. 75 kg

Cargo Aircraft only: Pack.Instr. 203 - Max. Net Qty/Pkg. 150 kg

Special provisions: A145 A167 A802

Emergency Response Guide-Code (ERG): 10L

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

No data available

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SECTION 15: Regulatory information

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

National regulations - Great Britain

Hazchem-Code: -
No data available

National regulations - EC member states

Labelling of packaging with <= 125mL content



Signal word: **Danger**

Hazard statements:	H222	Extremely flammable aerosol.
	H229	Pressurised container: May burst if heated.
	H336	May cause drowsiness or dizziness.
	H412	Harmful to aquatic life with long lasting effects.
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.
	P211	Do not spray on an open flame or other ignition source.
	P251	Do not pierce or burn, even after use.
	P261	Avoid breathing spray.
	P271	Use only outdoors or in a well-ventilated area.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312	Call a POISON CENTER/doctor if you feel unwell.
	P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Further information

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

- H220 = Extremely flammable gas.
- H222 = Extremely flammable aerosol.
- H225 = Highly flammable liquid and vapour.
- H229 = Pressurised container: May burst if heated.
- H280 = Contains gas under pressure; may explode if heated.
- H304 = May be fatal if swallowed and enters airways.
- H315 = Causes skin irritation.
- H336 = May cause drowsiness or dizziness.
- H411 = Toxic to aquatic life with long lasting effects.
- H412 = Harmful to aquatic life with long lasting effects.

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Reason of change: Changes in section 2: labelling
Changes in section 15: Regulatory information
General revision

Date of first version: 8/9/2009

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.