

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

1 SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-6

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses Complementary feed.

Uses advised against: None identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer:

PROVIT Sp. z o.o.

99-300 Kutno, ul. Szpitalna 44A

Tel/fax: + 48 24 355 89 00

Person responsible for the document: Małgorzata Krenke

e-mail: provit@provit.pl

1.4 Emergency telephone number

Nationwide emergency telephones **(8:00 – 16:00): +48 24 355 89 00**

Emergency number: + 48 58 349 28 31, + 48 12 646 87 06, + 48 61 848 10 11, + 48 22 619 66 54 ext. 1240 centers, centers and offices responsible for the poison control poisoning.

Execution date: 29.09.2014

Update: 01.2016

2 SEKCJA 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008

H315 – Causes skin irritation.

Skin.Corr 1B (Category 1B),

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-6



FAMI-QS Pro
vit

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

Adverse human health effects:

The product proves to be locally corrosive. May cause burns of skin, conjunctiva or cornea. May cause irritation of mucus membrane and respiratory system – throat tickle and cough. If swallowed, may cause burns in mouth, throat, alimentary tract, and perforation of stomach. Symptoms: nausea, vomiting, strong ache.

Environmental impact:

The product is not classified as dangerous for the environment

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



GHS05

Signal word: **Danger:**

Hazard statement(s)

H314 Causes severe skin burns and eye damage.

Precautionary statement(s)

Prevention:

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 Immediately call a POISON CENTER or doctor/physician.

Storage:

P405 Store locked up.

Supplemental Hazard Statements:

None

Contains: Formic acid index no: 607-001-00-0; Phosphoric acid index No.: 015-011-00-6

Other hazards

Mixture does not comply with PBT criteria.

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0
Phosphoric acid index No.: 015-011-00-6








FAMIQS Pro Vit
Specialized in the production of high quality products

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

3 SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Product identification: Mixture Pentacid Dry
Substances:

Name and registration number	Index number	CAS No.	EC No.	Weight fraction %	Classification in line with The Regulation (EC) No. 1272/2008		
					Warning sign	Risk classes and category codes	Codes of H phrases
Phosphoric acid (V) No REACH: 01-2119485924-24-0000	015-011-00-6	7664-38-2	231-633-2	20-25		Skin Corr. 1B	H314
Latic acid Kwas L-(+) Noi REACH: 01-2119548400-48	-	50-21-5	200-018-0	20-25		Skin Irrit. 2 Eye Dam. 1	H315 H318
Formic acid No REACH: 01-2119491174-37-0000	607-001-00-0	64-18-6	200-579-1	15-20		Skin Corr. 1A	H314
Citric acid No REACH: 01-2119457026-42-0000	-	5949-29-1	201-069-1	1-5		Eye Irr. 2	H319
Fumaric acid No REACH: 01-2119485492-31-0003	607-146-00-X	110-17-8	203-743-0	1-5		Eye Irr. 2	H319
Silicon dioxide No REACH: 01-2119379499-16-0000		112926-00-8 7631-86-9	231-545-4	35-40			NDS

Pentacid Dry
Contains:

Formic acid index no: 607-001-00-0
 Phosphoric acid index No.: 015-011-00-0



FAMIQS Pro Vit
 Specialized Nutrition and Performance Care System

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

Due to their concentration in the mixture, other ingredients do not have to be included in the classification or do not have harmful parameters or they are not the ingredients that have to be monitored

Full R and H phrases are specified in point 16 hereof.

4 SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- Inhaling: Take the victim out of the contaminated area, place them in a comfortable half-sitting or lazing position, provide calm and protect against heat loss. Provide oxygen. Seek immediately medical help
- Contact with skin : Take off immediately contaminated clothes, wash the skin thoroughly with cool running water. Place a sterile dressing on burns. Seek medical help
- Contact with eyes: Rinse immediately with plenty of cool running water and continue rinsing for at least 15 minutes. Remove contact lenses. Do not use too heavy stream of water to avoid damaging the cornea. In case irritation persists, consult an eye-doctor.
- Alimentary tract: In case of swallowing of considerable amounts, do not cause vomiting. Rinse mouth with plenty of water. Seek medical assistance.

4.2 Most important symptoms and effects, both acute and delayed

May cause burns of skin, conjunctiva or cornea. If swallowed, may cause burns in mouth, throat, alimentary tract , and perforation of stomach.

4.3 Indication of any immediate medical attention and special treatment needed

Necessary medicaments: atrovent capsules, dexamethasone for inhalation, hydrocortyzon, furosemid (amp.). The place of work should be equipped with showers and a place to rinse eyes.

5 SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Foam, powder, carbon dioxide, water in spray.

Unsuitable extinguishing media:

Jet water.

5.2 Special hazards arising from the substance or mixture

During combustion, toxic substances can be produced : carbon oxides and dioxide.

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-0



FAMIs Pro
vit

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

5.3 Advice for firefighters

Wear gas resistant protective clothing and respiratory protections regardless of the air in the atmosphere. Containers not consumed by fire but exposed to fire should be cooled down with sprayed water and removed from the risk area, if possible.

6 SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Wear protective clothing made of natural (cotton) or synthetic materials, gloves made of nitric rubber (0.4 mm thick, breakthrough time \geq 480 min), chloroprene rubber (0.5 mm thick, breakthrough time \geq 480 min), polyvinyl chloride (0.7 mm thick, breakthrough time \geq 480 min). Use protective goggles to avoid liquid drops. Do not drink, eat or smoke while handling the product.

Ensure general and local ventilation. Take unprotected persons out of the risk area. Avoid direct contact with the mixture. Do not inhale dust.

6.1.2 For emergency responders

Protective clothing made of coated materials (ex. with viton, butyl rubber or hypalone).

6.2 Environmental precautions

Do not allow spreading or leaking into sewage systems, water and soil.

6.3 Methods and material for containment and cleaning up

6.3.1 Protect drains. If possible contain (ex. with an industrial vacuum cleaner), and avoid forming dust. Place damaged packaging in a replacement packaging.

6.3.2 Small amounts can be collected mechanically, put into in a properly closed and labelled waste container, then recycled or liquidated. Rinse the contamination area with water.

6.3.3 No information available.

6.4 Reference to other sections

Liquidate as specified in section 13.

7 SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

7.1.1

Ensure proper ventilation. Open and handle containers with care. Apply all necessary safety measures to avoid contact with skin or eyes. Do not breathe in dust. Do not allow spreading or leaking into sewage systems, water or soil.

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-0



FAMIQS Pro
vit

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

7.1.2

Do not drink, eat or smoke while handling the product. Wash your hands during breaks and after work. Remove immediately contaminated clothes and wash before wearing again.

7.2 Conditions for safe storage, including any incompatibilities

Store in original tightly closed and properly labelled packaging, in cool, dry ventilated storehouse. Keep away from frost.

7.3 Specific end use(s)

Product used as compound feed. No information on other uses.

8 SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Name	CAS No.	Norm	Value	Unit
<u>Formic acid</u>	64-18-6	NDS	5	mg/m ³
		NDSch	15	mg/m ³
		TWA	5	ppm
			9	mg/m ³
		DNEL inspiratory	17	mg/m ³ [WRK]
			9,5	mg/m ³ [community]
<u>Phosphoric acid(V)</u>	7664-38-2		9,5	mg/m ³ [employees]
			3	mg/m ³ [community]
		TWA	1	mg/m ³
		STEL	2	mg/m ³
<u>Dust from amorphous and ceramic dust:</u>				
Amorphous silica	synthetic (precipitated silica and gel)			
	112926-00-8			
- total dust		NDS	10	mg/m ³
- respirable dust		NDS	2	mg/m ³

Legal basis:

The Regulation of the Minister of Labour and Social Policy of June 6th, 2014 on maximal authorised concentrations

and intensity of factors harmful to health in work environment (Dz. U. poz. 817.)

The Regulation of the Minister of Health of 2 February 2011. On tests and measurements of health hazard factors in the work environment (Dz. U. No. 33, item. 166, 2011).

The Regulation of the Minister of Health of 30 December 2004. On occupational health and safety related to occurrence of chemical agents at work (Dz. U. No. 11, pos. 86, 2005)

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC

Recommended monitoring procedures

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-0



FAMIqs Pro
vit

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

Monitoring procedures should be used for concentrations of hazardous components in the air. Air quality control procedures should be used in the workplace - as long as they are available and reasonable for the job - in accordance with the relevant Polish or European Standards, taking into account the conditions prevailing at the site of exposure and corresponding measurement methodologies adapted to the conditions work. Mode, type and frequency of tests and measurements should meet the requirements of the Regulation of the Minister of Health on 2 February 2011. (Dz. U. 2011 No. 33, item. 166)

8.2 Exposure controls

8.2.1 *Appropriate engineering controls*

Necessary local and general ventilation. Ventilation inlets close to working area or below. General ventilation outlets in upper and lower parts of premises. In case of poor ventilation, use respiratory system protection. Showers and places to rinse eyes must be ensured.

8.2.2 *Individual protection measures, such as personal protective equipment*

Respiratory system: Not required. In case of heavy dusting, use mask with a filter of P class (white).
Hands and skin: Wear protective clothing made of natural (cotton) or synthetic materials, gloves made of nitrile rubber (0.4 mm thick, breakthrough time \geq 480 min), chloroprene rubber (0.5 mm thick, breakthrough time \geq 480 min), polyvinyl chloride (0.7 mm thick, breakthrough time \geq 480 min).
Eyes: Use protective goggles and face mask to avoid dust.

Hygiene at work: Apply general hygiene at work rules. After work, remove contaminated clothes and wash thoroughly the whole body. Wash your hands and face during breaks. Restrain from drinking and eating or smoking at work.

8.2.3 *Environmental exposure controls*

Protect against leaking into communal sewage systems and water.

9 SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance
Brightly brown powder
- b) Odour
Characteristic
- c) Smell threshold
Information unavailable
- d) pH
Information unavailable
- e) Melting/ clotting point
Information unavailable

Pentacid Dry
Contains:

Formic acid index no: 607-001-00-0
Phosphoric acid index No.: 015-011-00-0



FAMIQS Pro
vit

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

- f) Initial boiling point and boiling range
> 100 °C
 - g) Flash point
Inflammable
 - h) Evaporation rate
Information unavailable
 - i) Flammability
Inapplicable
 - j) Upper/lower flammability or explosive limits;
No explosion risk
 - k) Vapour pressure
Information unavailable
 - l) Vapour density
Information unavailable
 - m) Relative density
Information unavailable
 - n) Solubility
Information unavailable
 - o) Partition coefficient: n-octanol/water
Information unavailable.
 - p) Auto-ignition temperature
Not self-flammable
 - q) Decomposition temperature
Information unavailable.
 - r) Viscosity
Inapplicable – solid state
 - s) Explosive properties
None.
 - t) Oxidising properties
Information unavailable
- 9.2 Other information
Information unavailable

10 SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity
No reactivity under recommended storage and handling conditions.
- 10.2 Chemical stability
Stable under recommended storage and usage conditions.
- 10.3 Possibility of hazardous reactions
Unknown.
- 10.4 Conditions to avoid
Unknown.

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-0



FAMIs Pro
vit

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

10.5 Incompatible materials

Strong alkaline materials.

10.6 Hazardous decomposition products

Fire or high temperature may cause carbon oxides (CO, CO₂), and phosphor oxides.

11 SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity of product components:

Formic acid:

LD₅₀ – orally - rats 1100 mg/kg

LC₅₀ – inhalation - rats 7.4 mg/l (4h)

Lactic acid

LD₅₀ orally - rats 3543 mg/kg (EPA OPP 81-1)

LD₅₀ skin - rabbit >2000 mg/kg (EPA OPP 81-2)

LC₅₀ – inhalation - rats >7,94 mg/l(4 h) (OECD 403)

Phosphoric acid:

LD₅₀ - orally - rats 1530 mg/kg

LD₅₀ – skin - rabbit 2740 mg/kg

LC₅₀ – inhalation - rabbit 1.69 mg/l (1h)

Citric acid

LD50 orally - rats 6730 mg/kg

Fumaric acid

LD₅₀ – inhalation - rat - 1306 mg/kg

LD₅₀ orally- rabbit - > 10700 mg/kg

LD₅₀ contact with skin, rabbit - > 20000 mg/kg

Acute toxicity of product:

Irritation/ corrosivity:

Skin: corrosive.

Eyes: corrosive.

Sensation :

May cause allergic skin reactions

Repeated dosage toxicity:

No information available.

Carcinogenicity:

No information available.

Mutagenicity :

Based on available information, classification criteria are not met.

Toxicity for reproduction :

Based on available information, classification criteria are not met.

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-0



FAMIQS Pro Vit
Specialized Nutrition and Performance Quality Control

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

Effects of local exposure

- Inhalation: Causes irritation of respiratory airways, nasal and oral mucosa, burning sensation in nose and throat, coughing, difficulty with breathing.
- Contact with eyes: Causes irritation of eyes, redness, dacryorrhoea and pain as well as poor vision and pinkeye. Eye contamination causes damage of eye-protection apparatus, burns of eyeball – cornea and deeper eye structures.
- Contact with skin: Corrosive to skin, causes pain, redness, chemical burns: blisters, necrosis. Widespread skin contamination may cause shock and collapse.
- Swallowing: Causes burns of mucosa membrane in mouth, throat and other elements of alimentary tract with the risk of breakthrough, perforation, gastric h(a)emorrhage, shock and even death.

Symptoms of chronic inflammation:

Excessive exposure may cause irritation of mucous membrane, skin and eyes redness. Prolonged exposure may cause pinkeye. Repeated exposure may cause skin inflammation, loss of mucosa of the upper airways (nasal septum damage).

12 SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Substance toxicity:

Formic acid:

- LC₅₀ – fish (*Leuciscus idus*) 46 - 100 mg/l (96h)
LC₅₀ – daphnia (*Daphnia magna*) 120 mg/l (48h)
EC₅₀ – alga (*Scenedesmus subpicatus*) 26.9 mg/l (72h)
EC₅₀ – bacteria (*Pseudomonas putida*) 46.7 mg/l (72h)

Lactic acid:

- fish (*Lepomis macrochirus*) LC₅₀(96 h) 130 mg/l
– daphnia (*Daphnia magna*) LC₅₀(48 h)130 mg/l
– alga (*Pseudokirchnerella subcapitata*) ErC₅₀(72 h)2800 mg/l

Citric acid

- fish L.idus LC₅₀(72 h) 440-760 mg/l
– daphnia (*Daphnia magna*) LC₁₀₀ 120 mg/l (72h)

Phosphoric acid

- fish unspecified type LC50(96 h) 138 mg/l
Lepomis macrochirus LC50(96 h) pH 3-3,5
- daphnia *Daphnia magna* EC50(12 h) pH 4,6

Fumaric acid

- Fish LC₅₀(96h) >100 mg/l
- dapnia EC₅₀(48 h) >100 mg/l
- alga EC₅₀(72 h) >100 mg/l

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0
Phosphoric acid index No.: 015-011-00-0



FAMI-QS Pro Vit
European Food Safety Authority Quality Scheme

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No date available.

12.4 Mobility in soil

No date available.

12.5 Results of PBT and vPvB assessment

Does not comply with PBT criteria.

12.6 Other adverse effects

Release of undiluted product in large quantities to water and soil may have adverse effects to water organism due to a low pH level.

13 SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not dispose of the product with commercial waste. Do not allow entering into sewage system. No dot allow pollution of surface and ground waters. Do not store at municipal landfill sites. Consider the possibility of use.

Waste code:

Do not dispose of the product with commercial waste. Do not allow entering into sewage system. No dot allow pollution of surface and ground waters. Do not store at municipal landfill sites. Consider the possibility of use.

Waste code:

16 03 05* limited waste containing dangerous substances.

Recycle used (completely emptied) packaging.

Waste code:

15 01 01 Paper and cardboard packaging

15 01 09 Fabric packaging

Legal basis:

Law of December 14th, 2012 on waste (Journal of Laws No. 0, item 21, 2012 as amended);

Law of May 11th, 2001 on packaging and packaging waste (Journal of Laws No. 63, item 638, 2001);

Regulation of the Minister of Environment dated September 27th, 2001 on waste catalogue (Journal of Laws No. 112, item 1206, 2001).

Law of July 29th, 2005 modifying the law on waste and some other laws (Journal of Laws 175, item 1458, 2005).

14 SECTION 14: TRANSPORT INFORMATION

14.1 UN number

1759

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-0



FAMIQS Pro Vit
Specialized Solutions and Performance Quality Control

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

- 14.2 UN proper shipping name
CORROSIVE SOLID, N.O.S (formic acid, phosphoric acid)
- 14.3 Transport hazard class(es)
8
- 14.4 Packing group
II
- 14.5 Environmental hazards
This product is not a threat to the environment.
- 14.6 Special regulations: 274
Tunnel restriction code: E
Transport category: II – limited 333 kg
Limited amounts: 1 L
Packing instructions: ADR: P002;IBC08; B4
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable .

15 SECTION 15: REGULATORY INFORMATION

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

- 1907/2006 / EC Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- 1272/2008/EC of the Regulation of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures - amending and repealing Directive 67/548/EEC and 1999/45/EC, and Regulation (EC) No 1907/2006.
- 1999/45/EC Directive of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
- 790/2009/EC of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.
- 2008/98/EC Directive of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives
- 94/62/EC Commission Directive 2013/2/EU of 7 February 2013; amending Annex I to Directive 94/62/EC of the European Parliament and of the Council on packaging and packaging waste
- 648/2004/EC of the European Parliament and of the Council on detergents.

Pentacid Dry
Contains:

Formic acid index no: 607-001-00-0
Phosphoric acid index No.: 015-011-00-0



FAMIQS Pro
vit

SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

15.2 Chemical safety assessment

The supplier has not assessed chemical safety.

16 SECTION 16: OTHER INFORMATION

The information contained herein are based on the mixture data sheet provided by the producer.

Other sources of information:

IUCLID Data Bank (European Commission – European Chemicals Bureau).

ESIS – European Chemical Substances Information System (European Chemicals Bureau).

The aim of the information specified in the SDS is to describe the product only from safety requirements point of view. The user has to provide safety handling conditions and is responsible for the consequences of improper use of the product.

R and H (hazard) phrases specified in point 2 and 3 hereof:

H314	Causes severe skin burns and eye damage;
H315	Irritating to skin;
H319	Irritating to eyes.
R34	Causes burns;.
R 36	Irritating to eyes;
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 35	Causes severe burns;
Skin Corr. 1A	Skin corrosion (Category 1A)
Skin Corr. 1B	Skin corrosion (Category 1B)
Skin Irrit. 2	Skin irritation (Category2)
Eye Dam. 1	Serious eye damage (Category 1)
Eye Irrit. 2	Serious eye irritation (Category 2)

NDS =	maximum concentration at the workplace (TLV-TWA) (OEL-TWA) (PEL-TWA)
TWA =	maximum instantaneous concentration (TLV-STEL)
NDSP =	maximum concentration limits (TLV-CL)
CAS no.	Chemical abstracts Service
EC no.	means one of the three numbers provided below:
(EINECS):	number assigned to the substance in the European Inventory of Existing Commercial Chemical Substances.
(ELINCS):	number assigned to the substance on the European List of Notified Chemical substances.
(NLP):	number on the list of chemical substances "No Longer Polymers".
GHS	Globally Harmonised System of Classification and Labelling of Chemicals.
UN	number Identification number of the material.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.

Pentacid Dry
Contains:

Formic acid index no: 607-001-00-0
Phosphoric acid index No.: 015-011-00-0



SAFETY DATA SHEET

in accordance the Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending the Regulation (EC) No. 1907/2006 of the European Parliament and Council dated December 18th, 2006 on Registration, Evaluation, Authorization and Restrictions of Chemicals (REACH) (DU European Union series L No. 133 of May 31st, 2010)

RID	Regulations Concerning International Transport of Dangerous Goods by Rail.
IMDG	International Maritime Dangerous Goods Code.
IATA	International Air Transport Association.
ICAO	International Civil Aviation Organisation.
MARPOL	International Convention for the Prevention of Marine Pollution from Ships.
MARPOL "P"	The product is included in the code because of it pollution hazards.
EmS	Emergency Response Procedures for Ships carrying Dangerous Goods.
EmS "F-A"	Fire Schedule "Alpha": General Fire Schedule
EmS "S-A"	Spillage Schedule "Alpha": Toxic substances

Updated points:

2;3;8;13;15;16

Pentacid Dry

Contains:

Formic acid index no: 607-001-00-0

Phosphoric acid index No.: 015-011-00-0



FAMIqs Pro
vit