

Remplace la version 0 du 01/01/2000

## **SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

### **1.1 Product identifier :**

VitacidOrg

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

Complet feed intended for animal nutrition...

### **1.3 Details of the supplier of the Safety Data Sheet :**

VITALAC 48 RUE PRINCIPALE 22160 CARNOET

### **1.4 Emergency telephone number :**

Company / Entity: INRS / ORFILA tel: 00 33 1 45 42 59 59 (Emergency call ORFILA)  
<http://www.centres-antipoison.net>

## **SECTION 2: HAZARDS IDENTIFICATION**

### **2.1 Classification of the substance or mixture :**

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

Classes of health hazard	skin corrosion/irritation-Category 1A-Danger-H314 specific target organ toxicity after single exposure-Category 3-Warning-H335
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### **2.2 Label elements :**

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



Warning statement : Danger

H314 Causes severe skin burns and eye damage

H335 May cause respiratory irritation

Prevention precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response precautionary statements

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**2.3 Other hazards :**

**SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS**

**3.1 Substances :**

**3.2 Mixtures :**

Composition :

Identification	(CE) 1272/2008	%
CAS :64-18-6 EC :200-580-7 Formic acid	SGH02,SGH05,SGH06,SGH07 Danger H226, cat.3 H302, aigu, cat4 H314, cat.1A H331, aigu, cat3	20 < x % < 50
CAS :64-18-6 EC :200-580-7 Propionic acid	SGH05,SGH07 Danger H315, cat.2 H318, cat.1	5 < x % < 20
CAS :79-09-4 EC :201-176-3 Acetic acid	SGH02,SGH05 Danger H226, cat.3 H314, cat.1A	5 < x % < 20
CAS :50-21-5 EC :200-018-0 Lactic acid	SGH05,SGH07 Danger H315, cat.2 H318, cat.1	5 < x % < 20

Information on ingredients :

**SECTION 4: FIRST AID MEASURES**

General advice: Emergency eye wash devices should be located near the product handling area. Immediately remove any clothing soiled by the product. Rescuers must take care of their own protection. If symptoms persist, consult a doctor. Never give anything to an unconscious person. Show this safety data

sheet to the doctor.

#### **4.1 Description of first aid measures :**

In case of inhalation: Place person in fresh air, if breathing difficulties, provide resuscitation assistance and consult a physician

Wash immediately and thoroughly with water during 20-30 minutes while holding eyelids open, Maintain the eye well open during rinsing. CONSULT A DOCTOR

Following skin contact : :

Remove immediately contaminated clothes and shoes. Rinse immediately and thoroughly (30-30 minutes) skin with water. Wash clothes before re-use. In case of irritation, consult a doctor.

Following ingestion : :

Rinse the mouth: DO NOT induce vomiting. Wash the mouth with water then drink plenty of water. Seek emergency medical attention. Call a POISON CONTROL CENTER or a doctor in case of faintness.

#### **4.2 Most important symptoms and effects, both acute and delayed :**

Contact with eyes: it may cause severe irritations with floods of tears, pain, severe rashes as well as ocular swelling. Risk of permanent eye damages. It may cause skin irritation and/or dermatitis.

In case of skin contact, the product may induce skin irritations. In case of eyes contact, the product may induce a severe eye irritation.

#### **4.3 Indication of any immediate medical attention and special treatment needed:**

Treat the symptoms

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media :**

Water jet, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam

#### **5.2 Special hazards arising from the substance or mixture :**

Thermal decomposition can lead to release of irritating gases and vapors. Hazardous combustion products: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO).

#### **5.3 Advice for firefighters :**

Wear full protective anti-acids suit, gloves and boots. Use an approved self-contained breathing apparatus. Cool down with spray mist/water spray.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures :**

Eliminate all possible ignition sources and ventilate the premises. Avoid inhaling vapours. Avoid any contact with skin and eyes. If spill is large, evacuate personnel and only have intervening trained operators equipped with protective equipment.

For rescuers :

#### **6.2 Environmental precautions :**

Prevent any material from entering drains or waterways. Clean as soon as possible all spreading, by collecting it with absorbent product.

#### **6.3 Methods and material for containment and cleaning up :**

For small quantities, rinse thoroughly with water or collect spilled product. For large quantities, dike,

pump the product. The collected product must be removed according to applicable regulation

**6.4 Reference to other sections :**

See sections 8 to 13 for more information.

## **SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for safe handling :**

Ensure good ventilation of the storage and working spaces. Protect closed containers from heating. Protection against fire and explosion: keep away from any source of ignition. Avoid any contact with skin, eyes, clothes.

**7.2 Conditions for safe storage, including any incompatibilities :**

Separate the bases and substances forming bases. Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight. Keep away from sources of ignition. Storage temperature <30 ° C. Incompatible products: strong oxidizing agents, acids, bases.

**Packaging materials :**

Use packages authorised for this type of products (acids). Keep the product in its original package.

**7.3 Specific end use(s) :**

This product is used to acidify animals' drinking water, raw materials or finished feed for animals.

## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters :**

Occupational Exposure limit values :

Acetic acid: 10 mg/kg

Formic acid: 5 mg/kg (formic acid)

Lactic acid: no known limit value

Propionic acid: 10 mg/kg

**8.2 Exposure controls :**

Individual protection measures, such as personal protective equipment :



Eye/face protection :

Approved safety glasses/goggles OR face shield

Hand protection :

Wear appropriate protective gloves (special for acids such as butyl rubber). Check that the breakthrough time of the glove material is not over and waterproof. Consult gloves supplier for more information

Skin protection :

Vêtements de protection

Respiratory protection :

Body protection equipment must be selected according to the activity and possible exposure (such as protective boots, apron, chemical protective suit)



## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties :**

General informations :

Relative density: 1.2 +/- 0.2

pH 20°C Dilution 1/10 : 2.6 +/- 0.4

Odor: bitter

Aspect: LIQUID

Important health safety and environmental information :

Vapour density: No data available

Fusion point / freezing point: undefined, no data available

Boiling point: : undefined, no data available

Flash point: undefined, no data available

Evaporation rate: undefined, no data available

Flammability: (solid/gas): not applicable

Limit > explosivity : 57% vol - Limit < explosivity: 18% vol (formic acid)

Vapour pressure: 5,7 kPa (25°C formic acid)

Solubility: non soluble powder / soluble liquid

Auto-ignition temperature > 500°C (formic acid)

Decomposition temperature: undetermined

Kinematic viscosity: no data available

Dynamic viscosity: no data available

Explosive properties: this product is not explosive, however, the explosive air/vapour mix is possible

Oxidizing properties: no oxidative

### **9.2 Other information :**

No data available

## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1 Reactivity :**

Reaction with strong bases. Exothermic reaction.

For more information, consult following subsections of the present chapter

### **10.2 Chemical stability :**

Stable under normal use and storage conditions.

Mixes containing formic acid may decompose spontaneously and generate overpressure as well as container explosion. Exposure to sunlight and heat increases decomposition risk.

### **10.3 Possibility of hazardous reactions :**

React with strong bases and oxidizing substances.

### **10.4 Conditions to avoid :**

High temperatures, lights.

### **10.5 Incompatible materials :**

Strong acids, strong bases and strong oxidizing agents.

Acids may react to alkaline, and to oxydizing substances such as peroxides, nitric acid, and chromic acid. They are also incompatible with some substances such as concentrated sulfuric acid,

Nitromethane, powdered metals, permanganates, strong bases of oxydizing agents



**10.6 Hazardous decomposition products :**

Thermal decomposition may induce irritating and toxic gas and vapors emission.

**SECTION 11 : TOXICOLOGICALS INFORMATIONS**

**11.1 Information on toxicological effects :**

**For substances :**

DL 50 Oral rat (formic acid): 730 mg/kg

DL 50 Oral rat (propionic acid): 4 290 mg/kg

DL 50 Oral rat (acetic acid): 3 310 mg/kg

DL 50 Oral rat (lactic acid): 3 543 mg/kg

**For mixtures :**

Acute toxicity: not classified

Corrosion / skin irritation: causes burns.

Severe eye damage / eye irritation: causes burns. Risk of severe eye damage.

Respiratory or skin sensitisation : no sensitizing effect known.

Mutagenicity: not mutagenic. According to the available data on the product components

Carcinogenicity: not classified. According to the available data on the product components

Toxic for reproduction: not classified. According to the available data on the product components

Aspiration hazard: not classified. According to the available data on the product components

**SECTION 12: ECOLOGICALS INFORMATIONS**

**12.1 Toxicity :**

**Mixture :**

**12.2 Persistence and degradability :**

Readily biodegradable. Irrelevant

**12.3 Bioaccumulative potential :**

Non bioaccumulable. Irrelevant

**12.4 Mobility in soil :**

No data available

**12.5 Results of PBT and vPvB assessment :**

No data available

Chemical risk evaluation is not required for this substance when it is used for specific applications.

**12.6 Other adverse effects :**

Emissions in water reduce pH, this may cause local damage of fishes and aquatic organisms on spill zone.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods :**

Incineration in approved incineration center. Local regulated prescriptions must be respected. Contaminated packaging must be emptied in optimum way. Then they can be valued. Do not dispose in sewers. Give the surplus and no-recyclable solutions to specialized elimination company.

## **SECTION 14 TRANSPORT INFORMATION**

### **14.1 UN number :**

1760

### **14.2 UN proper shipping name :**

UN1760=CORROSIVE LIQUID, N.O.S.

### **14.3 Transport hazard class(es) :**



### **14.4 Packing group :**

III

### **14.5 Environmental hazards :**

### **14.6 Special precautions for user :**

ADR/RID	Classe	Code	Groupe	Etiquette	Dispo.	QL	EQ	Packaging		
								Instructions d'emb.	Dispositions spéciales d'emb.	Dispositions pour l'emb. en commun
	8	C9	III	8	274	5L	E1	P001 IBC03 LP001 R001		MP19

### **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 :**

Regulation (EC) No 1831/2003 of the European Parliament and of the Council on additives for use in animal nutrition

### **15.2 Chemical Safety Assessment :**



Not applicable

## **SECTION 16 : Autres informations**

### **16.1 H, EUH phrases mentioned in Section 3:**

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H331	Toxic if inhaled

### **16.2 Abbreviations :**

CMR	Cancérogène, Mutagène ou Reprotoxique
ADR	Accord Européen relatif au transport international de marchandises Dangereuses pour la route
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
OACI	Organisation de l'Aviation Civile Internationale
RID	Regulations concerning the International carriage of Dangerous Goods by rail
WGK	Wassergefährdungsklasse