



LUXEMBOURG

SAFETY DATA SHEET

Issue date: 05/07/2015

1. Identification of the substance or mixture and of the supplier

Product: **Propionic acid and soy lecithin**
Product name: **Suma, Lexplus**
Recommended use: pH regulator, surfactant, coadjuvant
Supplier: Luxembourg Industries Ltd.
27 Hamered St., Tel Aviv, 6812509
ISRAEL
Emergency phone number: +972 3 796 4300

2. Hazards identification

Classification of the product according to the Global Harmonized System of Classification and Labelling of Chemicals (GHS).

Hazard classification: Acute toxicity, Oral: Category 5
Acute toxicity, Dermal: Category 5
Skin corrosion/irritation: Category 1

Label elements: Pictogram:  Signal word: Danger

Hazard statement(s):

H303 May be harmful if swallowed.
H313 May be harmful in contact with skin.
H314 Causes severe skin burns and eye damage.

Precautionary statement(s):

Prevention: P260 Do not breathe dusts or mists.
P264 Wash hands and exposed skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P312 Call a POISON CENTER/doctor/physician if you feel unwell.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before reuse.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

PROPIONIC ACID AND SOY LECITHIN SDS

Page 1 of 6

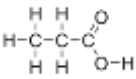
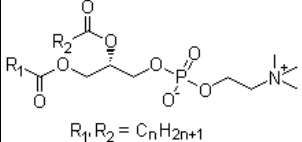
LUXEMBOURG INDUSTRIES LTD

27 Hamered St. Tel Aviv 6812509, P.O. Box 13 Tel Aviv 6100001, ISRAEL

Tel: +972 3 796 4300 ■ Fax: +972 3 510 0474 ■ E-mail: main@luxembourg.co.il ■ www.luxpam.com

Storage:	P405	Store locked up
Disposal:	P501	Dispose of contents/container in accordance with national/international regulations.
Other hazards:		Not known

3. Information on ingredients contributing to hazard

Common name:	Propionic acid	Soy lecithin
Chemical formula:	CH ₃ CH ₂ COOH	Mixture of phospholipids, triglycerides, sterols and small amounts of fatty acids and carbohydrates
Structural formula:		 <p style="text-align: center;">$R_1, R_2 = C_nH_{2n+1}$</p>
CAS No.:	79-09-4	8002-43-5
Content:	350 g/L	350 g/L

4. First-aid measures

Ingestion:	Rinse mouth. Do NOT induce vomiting.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.
Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
Skin:	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Most important symptoms and effects, both acute and delayed.

Propionic acid may cause an asthmatic-like bronchitis, nausea, dizziness, headache and blood disorders. An allergic reaction may occur in some persons due to ingestions of or contact with soy products.

Indication of any immediate medical attention and special treatment needed.

There is no specific antidote. Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media:	<p><u>Small Fire:</u> Dry chemical, CO₂ or water spray.</p> <p><u>Large Fire:</u> Dry chemical, CO₂, alcohol-resistant foam or water spray. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal; do not scatter the material.</p>
--------------------------------------	--

Specific hazards arising from the chemical:

Fire may produce irritating, corrosive and/or toxic gases. Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution.

Special protective equipment and precautions for fire-fighters:

Wear positive pressure self-contained breathing apparatus (SCBA) and chemical protective clothing.

6. Accidental release measures

Personal precautions, protective equipment:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

7. Handling and storage

Precautions for safe handling:

Do not breathe vapour/fumes. Avoid contact with skin. Wash hands and exposed skin thoroughly after handling. Wear suitable protective clothing.

Conditions for safe storage, including any incompatibilities:

Keep locked up and out of the reach of children. Keep container in a well ventilated place. Keep away from food, drink and animal feedstuffs.

8. Exposure controls / personal protection

Occupational exposure limits:

TLV (ACGIH): 10 ppm (propionic acid)

Appropriate engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are in proximity to the work-station location.

Personal protective equipment:

Long sleeve shirt, long pants, boots, chemical resistant gloves, dust or mist respirator, and protective eyewear.

9. Physical and chemical properties

Appearance:	Dark purple liquid
Odour:	Characteristic odour
pH:	2.7
Melting point/freezing point:	Not available
Boiling point:	Not available
Evaporation rate:	Not available
Flash point:	> 70°C
Flammability:	Not flammable
Vapour pressure:	Not available
Vapour density:	Not available
Bulk density:	0.98-1.04 g/mL
Solubility in water:	Not available
Partition coefficient n-octanol/water:	Not available
Ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	44.6 cp

10. Stability and reactivity

Reactivity:	Slightly corrosive to aluminum, zinc and copper. Not corrosive to polyethylene.
Chemical stability:	Stable under normal temperatures and pressure.
Possibility of hazardous reactions:	Reacts with strong alkalis. Exothermic reaction
Conditions to avoid:	Not available
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	Carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of phosphorous.

11. Toxicological information

Acute toxicity	
Oral LD ₅₀ (rat):	> 3000 mg/kg
Dermal LD ₅₀ (rabbit):	> 4000 mg/kg
Skin corrosion/irritation	
Skin irritation (rabbit):	Corrosive
Serious eye damage/irritation	
Eye irritation (rabbit):	Corrosive
Respiratory or skin sensitization	
	Not available
Germ cell mutagenicity:	Not available
Carcinogenicity:	Not available
Reproductive toxicity:	Not available
STOT* single exposure:	Not available

STOT repeated exposure:	Not available
Aspiration hazard:	Not available

*Specific Target Organ Toxicity

12. Ecological information

Ecotoxicity:

For propionic acid technical

Mallard duck LD ₅₀ :	1467 mg/kg
Bluegill LC ₅₀ (96 hr):	115 mg/L
Persistence and degradability:	Not available
Bioaccumulative potential:	Not available
Mobility in soil:	Not available
Other adverse effects:	Not available

13. Disposal considerations

Do not reuse empty containers. Wash empty containers three times with water and pour the washing water into the tank sprayer. Then offer for recycling or reconditioning, or puncture and dispose of in accordance with local regulations.

14. Transport information

UN. No.:	1848
Proper shipping name:	Propionic acid
Transport hazard class:	8
Packaging group:	III
Marine pollutant:	No

15. Regulatory information

This data sheet complies with the requirements of the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

16. Other information

The information contained herein is applicable solely to the indicated product, and does not relate to any other use of this product as described. Its use is intended by persons having technical skill and at their own discretion and risk. The information has been developed from sources reliable. This information is furnished without warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose is made with respect to the information contained herein.

Issue date: 05/07/2015 (EA)
Version: 4
Replace version: 3 from 05/06/2014 (EA)

