



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name:

DERMORGANICS 1388

Chemical name:

Neutralized blend of organic acids in water and glycerol

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

Identified uses: Industrial Use

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet

Company Name : Naturally Balmy Ltd
8 Benson Road
Nuffield Industrial Estate
Poole, Dorset
BH17 0GB

Telephone : 01202 567046

E-mail : sales@naturallybalmy.co.uk

1.4 Emergency telephone number:

24-Hour Health : 01202 567046

Emergency (Office hours only)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Serious Eye Damage/Eye Irritation Category 1 H318: Causes serious eye damage.

2.2 Label Elements

Contains: Pentanoic acid, 4-oxo-, sodium salt



Signal Words: Danger

Hazard Statement(s): H318: Causes serious eye damage.

Precautionary Statements

Prevention: P262: Do not get in eyes, on skin, or on clothing.
P280: Wear eye protection/face protection.

Response: 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/doctor.

2.3 Other hazards None known.

SECTION 3: Composition/information on ingredients

Chemical name:
Neutralized blend of organic acids in water and glycerol

3.2 Mixtures

General information: Substances with a workplace exposure limit

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Pentanoic acid, 4-oxo-, sodium salt	>=10 - <20%	19856-23-6	243-378-4	01-2120764150-64	No data available.	
Glycerol	>=30 - <50%	56-81-5	200-289-5	01-2119471987-18	No data available.	#

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC

Classification

Chemical name	Classification	Notes
Pentanoic acid, 4-oxo-, sodium salt	Acute Tox.: 4: H302; Eye Dam.: 1: H318;	No data available.
Glycerol	None known.	No data available.

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General: Remove soiled or soaked clothing immediately

4.1 Description of first aid measures

Inhalation: Ensure supply of fresh air. In the event of symptoms seek medical advice.

Skin Contact: In case of contact with skin wash off with soap and water. Consult a doctor in the event of permanent skin irritation.

Eye contact: In case of contact with eyes rinse thoroughly with water. Summon a doctor immediately.

Ingestion: Thoroughly clean the mouth with water Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed: Risk of serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media: Full water jet

5.2 Special hazards arising from the substance or mixture:

In the event of fire the following can be released: - carbon dioxide, carbon monoxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

**5.3 Advice for firefighters
Special fire fighting procedures:**

Take measures to prevent the build up of electrostatic charge. Use only explosion-proof equipment. Keep away from heat and sources of ignition. Use only in well-ventilated areas.

Special protective equipment for fire-fighters:

Do not inhale explosion and/or combustion gases Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment.

6.1.1 For non-emergency personnel:

No data available.

6.1.2 For emergency responders:

No data available.

6.2 Environmental Precautions:

Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up:

Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections:

For further information on exposure monitoring and disposal see sections 8 and 13.

SECTION 7: Handling and storage:**7.1 Precautions for safe handling:**

Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. No special measures necessary if stored and handled as prescribed.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed and dry in a cool, well-ventilated place. Keep away from direct sunlight. Do not store < 5 °C. Do not keep at temperatures above 30 °C.

7.3 Specific end use(s):

No further recommendations.

SECTION 8: Exposure controls/personal protection**8.1 Control Parameters****Occupational Exposure Limits**

None of the components have assigned exposure limits.

Chemical name	Type	Exposure Limit Values	Source
Glycerol - Mist.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

DNEL-Values

Remarks: No DNEL/DMEL values on file.

PNEC-Values

Remarks: No PNEC values on file.

8.2 Exposure controls**Appropriate Engineering Controls:**

No data available.

Individual protection measures, such as personal protective equipment**Eye/face protection:**

Protective goggles; wear additional face protection if risk is increased.

Hand Protection:

Additional Information: The protective gloves to be worn must satisfy the specifications of EC Guideline 89/686/EEC and the resulting Standard EN374., Specific workplace situations must be considered separately.

Skin and Body Protection:

protective clothing

Respiratory Protection:

in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

Hygiene measures:

Remove soiled or soaked clothing immediately. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when working.

Environmental Controls:

The environmental regulations on the control and monitoring of environmental exposures are to be observed.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance****Physical state:**

liquid

Form:	liquid
Color:	light yellow
Odor:	Characteristic
Odor Threshold:	not determined
pH:	7 - 8.5 (20 °C)
Freezing point:	not measured
Boiling Point:	not measured
Flash Point:	> 85 °C
Evaporation Rate:	not measured
Flammability (solid, gas):	not measured
Flammability Limit - Upper (%):	not measured
Flammability Limit - Lower (%):	not measured
Vapor pressure:	not measured
Vapor density (air=1):	No data available.
Density:	1.25 g/cm ³ (20 °C)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	completely miscible
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	No data available.
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	No data available.
Dynamic viscosity:	No data available.

9.2 Other information

Explosive properties:	Not applicable
Oxidizing properties:	Not applicable
Minimum ignition temperature:	No data available.
Metal Corrosion:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	see section "Possibility of hazardous reactions"
10.2 Chemical Stability:	The product is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Exothermic reaction with: strong acids strong bases strong oxidants
10.4 Conditions to avoid:	Unknown
10.5 Incompatible Materials:	No dangerous reaction known under conditions of normal use.
10.6 Hazardous Decomposition Products:	None with proper storage and handling.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	If handled correctly, not a relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.

Eye contact: Relevant route of exposure. Information on effects are given below.

Ingestion: If handled correctly, not a relevant route of exposure. Information on effects are given below.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: LD 50 (Rat): > 2,000 mg/kg The data are derived from the evaluations or test results achieved with the individual substances.

Components:

Pentanoic acid, 4-oxo-, LD 50 (Rat): > 300 - < 2,000 mg/kg

sodium salt

Glycerol LD 50 (Rat): 12,600 mg/kg (IUCLID)

Dermal

Product: LD 50 (Rabbit) > 5,000 mg/kg The data are derived from the evaluations or test results achieved with the individual substances.

Components:

Pentanoic acid, 4-oxo-, LD 50 (Rat): > 2,000 mg/kg

sodium salt

Glycerol LD 50 (Rabbit): > 18,700 mg/kg (IUCLID)

Inhalation

Product: no data available

Components:

Pentanoic acid, 4-oxo-, Vapour
sodium salt Dusts, mists and fumes

Glycerol No data available.

Repeated dose toxicity

Product: No data available.

Components:

Pentanoic acid, 4-oxo-, No data available.

sodium salt

Glycerol No data available.

Skin Corrosion/Irritation:

Product: not irritating

Components:

Pentanoic acid, 4-oxo-, Not irritating

sodium salt

Glycerol (Rabbit): not irritating (IUCLID)

Serious Eye Damage/Eye Irritation:

Causes serious eye damage.

Product:

No data available.

Components:

Pentanoic acid, 4-oxo-, Risk of serious damage to eyes.

sodium salt

Glycerol OECD Test Guideline 405 (Rabbit): Not irritating

Respiratory or Skin

Sensitization:

Product: not sensitizing

Components:

Pentanoic acid, 4-oxo-, sodium salt Not a skin sensitizer.
Glycerol Not a respiratory sensitizer
Patch test (Human): negative (IUCLID)

Germ Cell Mutagenicity**In vitro**

Product: No data available.

Components:

Pentanoic acid, 4-oxo-, sodium salt No data available.
Glycerol Ames test: negative (IUCLID)

In vivo

Product: No data available.

Components:

Pentanoic acid, 4-oxo-, sodium salt No data available.
Glycerol No data available.

Carcinogenicity

Product: No data available.

Components:

Pentanoic acid, 4-oxo-, sodium salt Not classified
Glycerol No data available.

Reproductive toxicity

Product: No data available.

Components:

Pentanoic acid, 4-oxo-, sodium salt Not classified
Glycerol No data available.

Specific Target Organ Toxicity - Single Exposure

Product: no data available

Components:

Pentanoic acid, 4-oxo-, sodium salt Not classified
Glycerol Not classified

Specific Target Organ Toxicity - Repeated Exposure

Product: no data available

Components:

Pentanoic acid, 4-oxo-, sodium salt Not classified
Glycerol Not classified

Aspiration Hazard

Product: Not classified

Components:

Pentanoic acid, 4-oxo-,
sodium salt
Glycerol

Not classified

Based on available data, the classification criteria are not met.

Other adverse effects:

Causes serious eye damage.

SECTION 12: Ecological information

12.1 Toxicity**Acute toxicity****Fish**

Product: No data available.

Components

Pentanoic acid, 4-oxo-,
sodium salt
Glycerol

No data available.

LC 50 (Carassius auratus (goldfish), 24 h): > 5,000 mg/l literature tested
substance: Glycerin

Aquatic Invertebrates

Product: EC 50 (Daphnia magna, 48 h): 40.61 mg/l (OECD 202)

Components

Pentanoic acid, 4-oxo-,
sodium salt
Glycerol

No data available.

EC 50 (Daphnia magna (Water flea), 24 h): > 10,000 mg/l (IUCLID) tested
substance: Glycerin

Toxicity to Aquatic Plants

Product: No data available.

Components

Pentanoic acid, 4-oxo-,
sodium salt
Glycerol

No data available.

No data available.

Toxicity to microorganisms

Product: No data available.

Components

Pentanoic acid, 4-oxo-,
sodium salt
Glycerol

No data available.

EC5 (Pseudomonas putida, 16 h): > 10,000 mg/l literature tested substance:
Glycerin

Chronic Toxicity**Fish**

Product: No data available.

Components

Pentanoic acid, 4-oxo-,
sodium salt
Glycerol

No data available.

No data available.

Aquatic Invertebrates

Product: No data available.

Components

Pentanoic acid, 4-oxo-, sodium salt No data available.
Glycerol No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components

Pentanoic acid, 4-oxo-, sodium salt No data available.
Glycerol No data available.

12.2 Persistence and Degradability**Biodegradation**

Product: Readily biodegradable

BOD/COD Ratio

Product No data available.

Components

Pentanoic acid, 4-oxo-, sodium salt No data available.
Glycerol No data available.

12.3 Bioaccumulative potential

Product: No data available.

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

Pentanoic acid, 4-oxo-, sodium salt
Glycerol

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Non-classified vPvB substance
Non-classified PBT substance
No data available.

12.6 Other adverse effects:

The product is classified as slightly hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters (WwSV). Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

General information: No data available.

Disposal methods: In accordance with local authority regulations, take to special waste incineration plant

Contaminated Packaging: If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport information**14.1 UN number**

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable

National Regulations

15.2 Chemical safety assessment:

No chemical safety assessment was carried out for this product.

International regulations

SECTION 16: Other information

Abbreviations and acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; **ADN** - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; **AGW** - Occupational exposure limit; **ASTM** - American Society for Testing and Materials; **AwSV** - Ordinance on facilities for handling substances that are hazardous to water; **BSB** - Biochemical oxygen demand; **c.c.** - closed cup; **CAS** - Chemical Abstract Services; **CESIO** - European Committee of Organic Surfactants and their Intermediates; **CSB** - Chemical oxygen demand; **DMEL** - Derived minimum effect level; **DNEL** - Derived no effect level; **EbC50** - median concentration in terms of reduction of growth; **EC** - Effective concentration; **EINECS** - European Inventory of Existing Commercial Chemical Substances; **EN** - European norm; **ErC50** - median concentration in terms of reduction of growth rate; **GGVSEB** - German ordinance for road, rail and inland waterway transportation of dangerous goods; **GGVSee** - German ordinance for sea transportation of dangerous goods; **GLP** - Good Laboratory Practice; **GMO** - Genetic Modified Organism; **IATA** - International Air Transport Association; **ICAO** - International Civil Aviation Organization; **IMDG** - International Maritime Dangerous Goods; **ISO** - International Organization For Standardization; **LD/LC** - lethal dosis/concentration; **LOAEL** - Lowest observed adverse effect level; **LOEL** - Lowest observed effect level; **M-Factor** - multiplying factor; **NOAEL** - No observed adverse effect level; **NOEC** - no observed effect concentration; **NOEL** - no observed effect level; **o.c.** - open cup; **OECD** - Organisation for Economic Cooperation and Development; **OEL** - Occupational Exposure Limit; **PBT** - Persistent, bioaccumulative, toxic; **PNEC** - Predicted no effect concentration; **REACH** - REACH registration; **RID** - Convention concerning International Carriage by Rail; **SVHC** - Substances of Very High Concern; **TA** - Technical Instructions; **TRGS** - Technical Rules for Hazardous Substances; **vPvB** - very persistent, very bioaccumulative; **WGK** - Water Hazard Class

Key literature references and sources for data: No data available.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
Serious Eye Damage/Eye Irritation, Category 1	Calculation method

Wording of the H-statements in section 2 and 3

H302	Harmful if swallowed.
H318	Causes serious eye damage.

Training information: Comply with national laws regulating employee instruction.

SDS No.:

Disclaimer:

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.