

**INEOS Non-biological Laundry Detergent Rhubarb & Tonka**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

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

**1.1 Product identifier**

Product Name INEOS Non-biological Laundry Detergent Rhubarb & Tonka  
Unique Formula Identifier (UFI) 3Y75-QSXT-M50J-DPEV

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

Identified Use(s) Laundry Detergent.  
Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet**

Company Identification INEOS Hygienics Limited  
Address of Supplier Shamrockstrasse 88  
44623 Herne, Germany.  
Telephone +44 (0) 1325 80 4370  
E-mail cc.hygienics@ineos.com  
Office hours 08:00 - 17:00

**1.4 Emergency telephone number**

Company +44 (0) 1325 80 4370  
Ireland +353 (0) 1809 2166  
National response centre, NHS Direct +44 111

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

Regulation (EC) No. 1272/2008 (CLP) Eye Irrit. 2 :Causes serious eye irritation.

**2.2 Label elements**

Product Name According to Regulation (EC) No. 1272/2008 (CLP)  
INEOS Non-biological Laundry Detergent Rhubarb & Tonka  
Hazard Pictogram(s)



Signal Word(s) GHS07  
Warning  
Hazard Statement(s) H319: Causes serious eye irritation.  
Precautionary Statement(s) P102: Keep out of reach of children.  
P264: Wash hands and exposed skin thoroughly after handling.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
Unique Formula Identifier (UFI) 3Y75-QSXT-M50J-DPEV

**2.3 Other hazards**

Patch testing confirms this product is not irritating to skin and suitable for sensitive skin.  
This product contains: 118-58-1 (Endocrine disrupting properties)

**2.4 Additional Information**

For full text of H/P Statements see section 16.

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

**3.1 Substances**

Not applicable.

**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	500-234-8 01-2119488639-16-XXXX	≥ 5 - <10	Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 3 H412	GHS05 GHS07
Fatty acids, coco, potassium salts	61789-30-8	263-049-9	≥1 - <3	Skin Irrit. 2 H315 Eye Irrit. 2 H319	GHS07
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	500-220-1 01-2119488530-36-XXXX	<1	Eye Dam. 1 H318	GHS05
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	600-975-8 01-2119489418-23-XXXX	<1	Skin Irrit. 2 H315 Eye Dam. 1 H318	GHS05 GHS07

**INEOS Non-biological Laundry Detergent Rhubarb & Tonka**

Reaction mass of: 2-ethylhexyl mono-D-glucopyranoside; 2-ethylhexyl di-D-glucopyranoside		414-420-0 01-2119987144-31-XXXX	<0.5	Eye Dam. 1 H318	GHS05
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	257-573-7 01-2119493601-38-XXXX	<0.3	Met. Corr. 1 H290 Skin Corr. 1A H314 Eye Dam. 1 H318	GHS05
Isopentyl acetate	123-92-2	204-662-3 01-2119548408-32-XXXX	<0.1	Flam. Liq. 3 H226	GHS02
Bronopol	52-51-7	200-143-0 01-2119980938-15-XXXX	<0.1	Acute Tox. 3 H301 Acute Tox. 4 H312 Skin Irrit. 2 H315 Eye Dam. 1 H318 Acute Tox. 3 H331 STOT SE 3 H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS06 GHS05 GHS07 GHS09
Sodium hydroxide	1310-73-2	215-185-5 01-2119457892-27-XXXX	<0.1	Met. Corr. 1 H290 Skin Corr. 1A H314 Eye Dam. 1 H318	GHS05
Benzyl salicylate	118-58-1	204-262-9 01-2119969442-31-XXXX	<0.1	Skin Sens. 1B H317 Eye Irrit. 2 H319 Aquatic Chronic 3 H412	GHS07

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit		M-factor	ATE
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	Eye Dam. 1	C <sub>≥</sub> 10 ≤ 100		
		Eye Irrit. 2	C <sub>≥</sub> 5 < 10		
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	Skin Irrit. 2	C <sub>&gt;</sub> 30 ≤ 100		
		Eye Dam. 1	C <sub>&gt;</sub> 12 ≤ 30		
		Eye Dam. 1	C <sub>&gt;</sub> 30 ≤ 100		
Bronopol	52-51-7			Aquatic Acute 1: 10	Acute Tox. 3 (H301): 100 Acute Tox. 4 (H312): 1100 Acute Tox. 3 (H331): 3
Sodium hydroxide	1310-73-2	Skin Corr. 1A	C <sub>≥</sub> 5 ≤ 100		
		Skin Corr. 1B	C <sub>≥</sub> 2 < 5		
		Skin Irrit. 2	C <sub>≥</sub> 0.50 < 2		
		Eye Irrit. 2	C <sub>≥</sub> 0.50 < 2		

Contains no non-classified vPvB substances.  
Contains no non-classified substances with a Union workplace exposure limit.  
For full text of H/P Statements see section 16.

**SECTION 4: FIRST AID MEASURES**

**4.1 Description of first aid measures**

**Inhalation** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin Contact** Unlikely to cause harmful effects. Wash with plenty of water.

**Eye Contact** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Ingestion** Wash out mouth with water. If symptoms persist, obtain medical attention.

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

Causes serious eye irritation.

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

Unlikely to be required but if necessary treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None known.

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

None anticipated.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## INEOS Non-biological Laundry Detergent Rhubarb & Tonka

### SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Provide adequate ventilation.
- 6.2 Environmental precautions**  
Do not allow to enter drains, sewers or watercourses.
- 6.3 Methods and material for containment and cleaning up**  
Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal. Flush spill area with copious amounts of water.
- 6.4 Reference to other sections**  
See Also Section 8, 13.

### SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**  
Keep out of reach of children. Avoid contact with eyes. Wash hands and exposed skin thoroughly after handling.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Storage temperature: Ambient.  
Storage life: Stable under normal conditions.  
Incompatible materials: None anticipated.
- 7.3 Specific end use(s)**  
Laundry Detergent.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION


#### 8.1 Control parameters


##### 8.1.1 Occupational Exposure Limits


SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Sodium hydroxide	1310-73-2				2	
Pentyl acetates (all isomers)	123-92-2	50	270	100	541	


Source: UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

#### 8.2 Exposure controls

- 8.2.1. Appropriate engineering controls: Ensure adequate ventilation.
- 8.2.2. Personal protection equipment
- 

Eye Protection: Wear protective eye glasses for protection against liquid splashes.
  - 

Skin protection: Not normally required.
  - 

Respiratory protection: Normally no personal respiratory protection is necessary.
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Thermal hazards: Not applicable.

- 8.2.3. Environmental Exposure Controls: Do not allow to enter drains, sewers or watercourses.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

- Physical state: Viscous liquid.  
Colour: Clear, Darker Pink/ Purple.  
Odour: Fruity / floral.  
Melting point/freezing point: Not available.  
Boiling point or initial boiling point and boiling range: Not available.

## INEOS Non-biological Laundry Detergent Rhubarb & Tonka

Flammability	Non-flammable.
Lower and upper explosion limit	Not available.
Flash Point	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
pH	7.8 – 8.8
Kinematic Viscosity	Not available.
Solubility	Solubility (Water) : Completely miscible with water. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not available.
Vapour pressure	Not available.
Density and/or relative density	Not available.
Relative vapour density	Not available.
Particle characteristics	Not applicable.
<b>9.2 Other information</b>	None.

### SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	None anticipated.
<b>10.2 Chemical Stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reactions known if used for its intended purpose.
<b>10.4 Conditions to avoid</b>	None anticipated.
<b>10.5 Incompatible materials</b>	None anticipated.
<b>10.6 Hazardous decomposition products</b>	No hazardous decomposition products known.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Calculation method : Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 250000
Acute toxicity - Skin Contact	Calculation method : Not classified. Calculated acute toxicity estimate (ATE) Calc ATE - 1000000
Acute toxicity - Inhalation	Calculation method : Not classified. Calculated acute toxicity estimate (ATE) Calc ATE – 7500
Skin corrosion/irritation	Patch testing confirms this product is not irritating to skin and suitable for sensitive skin.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation. No data.
Skin sensitization data	Calculation method : Not classified. Patch testing confirms this product is not irritating to skin and suitable for sensitive skin.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified. There is no evidence of mutagenic potential.
Carcinogenicity	Calculation method : Not classified. No evidence of carcinogenicity.
Reproductive toxicity	Calculation method : Not classified. No evidence of reproductive effects.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Calculation method : Not classified.

#### 11.2 Information on other hazards

Endocrine disrupting properties: List II: Substances under evaluation for endocrine disruption under an EU legislation 118-58-1 (Human health)

## INEOS Non-biological Laundry Detergent Rhubarb & Tonka

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

	Harmful to aquatic life.
Toxicity - Aquatic invertebrates	No data.
Toxicity - Fish	No data.
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

#### 12.2 Persistence and degradability

The product is biodegradable.

#### 12.3 Bioaccumulative potential

The product has low potential for bioaccumulation.

#### 12.4 Mobility in soil

Completely miscible with water. The product is predicted to have high mobility in soil.

#### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

#### 12.6 Endocrine disrupting properties

Listed in: List II: Substances under evaluation for endocrine disruption under an EU legislation 118-58-1 (Environment)

#### 12.7 Other adverse effects

Not known.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Dispose at suitable refuse site.

#### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

### SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

#### 14.1 UN number or ID number

Not applicable.

#### 14.2 UN proper shipping name

Not applicable.

#### 14.3 Transport hazard class(es)

Not applicable.

#### 14.4 Packing group

Not applicable.

#### 14.5 Environmental hazards

Not classified as a Marine Pollutant.

#### 14.6 Special precautions for user

Not known.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not known.

### SECTION 15: REGULATORY INFORMATION

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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Fatty acids, coco, potassium salts (61789-30-8), Benzyl salicylate (118-58-1), Isopentyl acetate (123-92-2)

Community Rolling Action Plan (CoRAP) Benzyl salicylate (118-58-1)

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

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**INEOS Non-biological Laundry Detergent Rhubarb & Tonka**

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals  
**National regulations**  
 Other  
**15.2 Chemical Safety Assessment**

Not listed  
 Not known.  
 Not applicable.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16

**LEGEND**

Hazard Pictogram(s)



GHS07  
 GHS02: GHS: Flame  
 GHS05: GHS: Corrosion  
 GHS06: GHS: Skull and crossbones  
 GHS09: GHS: Environment

Hazard classification

Flam. Liq. 3 : Flammable liquid, Category 3  
 Met. Corr. 1 : Substance or mixture corrosive to metals, Category 1  
 Acute Tox. 3 : Acute toxicity, Category 3  
 Acute Tox. 4 : Acute toxicity, Category 4  
 Skin Corr. 1A : Skin corrosion/irritation, Category 1A  
 Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
 Skin Sens. 1B : Skin sensitization, Category 1B  
 Eye Dam. 1 : Serious eye damage/irritation, Category 1  
 Eye Irrit. 2 : Serious eye damage/irritation, Category 2  
 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3  
 Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1  
 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1  
 Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H226: Flammable liquid and vapour.  
 H290: May be corrosive to metals.  
 H301: Toxic if swallowed.  
 H312: Harmful in contact with skin.  
 H314: Causes severe skin burns and eye damage.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H318: Causes serious eye damage.  
 H319: Causes serious eye irritation.  
 H331: Toxic if inhaled.  
 H335: May cause respiratory irritation.  
 H400: Very toxic to aquatic life.  
 H410: Very toxic to aquatic life with long lasting effects.  
 H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P102: Keep out of reach of children.  
 P264: Wash hands and exposed skin thoroughly after handling.  
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313: If eye irritation persists: Get medical advice/attention.

**INEOS Non-biological Laundry Detergent Rhubarb & Tonka**

Acronyms

ATE : Acute Toxicity Estimate  
CAS : Chemical Abstracts Service  
DNEL : Derived No Effect Level  
EC : European Community  
EINECS : European Inventory of Existing Commercial Chemical Substances  
LTEL : Long term exposure limit  
PBT : Persistent, Bioaccumulative and Toxic  
PNEC : Predicted No Effect Concentration  
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
STEL : Short term exposure limit  
STOT : Specific Target Organ Toxicity  
vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP)  
data used to compile the SDS

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