

## INEOS Surface Spray Rhubarb + Pomegranate

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 Surface Spray Rhubarb + Pomegranate  
Unique Formula Identifier (UFI) C07V-GUE6-M00Y-3CW9

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

Identified Use(s) Surface disinfectant.  
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 Surface Spray Rhubarb + Pomegranate  
Hazard Pictogram(s)



Signal Word(s)  
Hazard Statement(s)  
Precautionary Statement(s)

GHS07  
Warning  
H319: Causes serious eye irritation.  
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.  
C07V-GUE6-M00Y-3CW9

Unique Formula Identifier (UFI)

#### 2.3 Other hazards

This product contains: 118-58-1, 78-93-3 (Endocrine disrupting properties)

#### 2.4 Additional Information

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

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product contains: >90% Water.

#### 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)
Citric acid	77-92-9	201-069-1 / 01-2119457026-42-XXXX	1 – 3	Eye Irrit. 2 H319 STOT SE 3 H335	GHS07
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	500-220-1 / 01-2119488530-36-XXXX	1 – 2	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
Ethanol	64-17-5	200-578-6 / 01-2119457610-43-XXXX	<0.5	Flam. Liq. 2 H225 Eye Irrit. 2 H319	GHS02 GHS07

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Benzyl-C12-14-alkyldimethylammonium chlorides	85409-22-9	939-350-2 / 01-2119970550-39-XXXX	<0.2	Acute Tox. 4 H302 Skin Corr. 1B H314 Eye Dam. 1 H318 Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS05 GHS07 GHS09
Isopentyl acetate	123-92-2	204-662-3 / 01-2119548408-32-XXXX	≤0.03	Flam. Liq. 3 H226 EUH066	GHS02
Benzyl Salicylate	118-58-1	204-262-9 / 01-2119969442-31-XXXX	≤0.02	Skin Sens. 1B H317 Eye Irrit. 2 H319 Aquatic Chronic 3 H412	GHS07
Propan-2-ol	67-63-0	200-661-7 / 01-2119457558-25-XXXX	≤0.005	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	GHS02 GHS07
Butanone	78-93-3	201-159-0 / 01-2119457290-43-XXXX	≤0.005	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336 EUH066	GHS02 GHS07

HAZARDOUS INGREDIENT(S)	CAS No.	Specific Concentration Limit	M-factor	ATE
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	110615-47-9	Skin Irrit. 2	C> 30 <= 100	
		Eye Dam. 1	C> 12 <= 30	
		Eye Dam. 1	C> 30 <= 100	
Ethanol	64-17-5	Eye Irrit. 2	C>= 50 <= 100	
Benzyl-C12-14-alkyldimethylammonium chlorides	85409-22-9		Aquatic Acute 1: 10	Acute Tox. 4 (H302): 500

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	Wash skin with 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.

#### 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.

##### 6.4 Reference to other sections

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See Also Section 8, 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

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)

Surface disinfectant.

### 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
Ethanol	64-17-5	1000	1920			
Propan-2-ol	67-63-0	400	999	500	1250	
Butan-2-one (methyl ethyl ketone)	78-93-3	200	600	300	899	Sk, BMGV
Pentyl acetates (all isomers)	123-92-2	50	270	100	541	

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

Remark	Notes
Sk	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
BMGV	Biological monitoring guidance values are listed in Table 2.

#### Biological Exposure Indices

Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Butan-2-one	78-93-3	Post shift	urine	butan-2-one	70 µmol butan-2-one/L	

#### 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.



Thermal hazards: Not applicable.

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

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state	Clear liquid.
Colour	Purple / berry.
Odour	Fruity.
Melting point/freezing point	Not available.
Boiling point or initial boiling point and boiling range	Not available.
Flammability	Non-flammable.
Lower and upper explosion limit	Not available.
Flash Point	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
pH	Not available.
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.

#### 9.2 Other information

None.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

None anticipated.

#### 10.2 Chemical Stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

#### 10.4 Conditions to avoid

None anticipated.

#### 10.5 Incompatible materials

None anticipated.

#### 10.6 Hazardous decomposition products

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 - 338983.06
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation. No data.
Skin sensitization data	Calculation method : Not classified. It is not a skin sensitiser.
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, 78-93-3 (Human health)

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### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

	Harmful to aquatic life.
Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
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 Ethanol (64-17-5), Propan-2-ol (67-63-0), Butanone (78-93-3), Isopentyl acetate (123-92-2), Benzyl Salicylate (118-58-1)

Community Rolling Action Plan (CoRAP) Butanone (78-93-3), 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

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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  
 GHS09: GHS: Environment

Hazard classification

Flam. Liq. 2 : Flammable liquid, Category 2  
 Flam. Liq. 3 : Flammable liquid, Category 3  
 Acute Tox. 4 : Acute toxicity, Category 4  
 Skin Corr. 1B : Skin corrosion/irritation, Category 1B  
 Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
 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)

H225: Highly flammable liquid and vapour.  
 H226: Flammable liquid and vapour.  
 H302: Harmful if swallowed.  
 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.  
 H335: May cause respiratory irritation.  
 H336: May cause drowsiness or dizziness.  
 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.  
 EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

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.

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

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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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