



SAFETY DATA SHEET RES Sanitech F

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

1.1. Product identifier

Product name RES Sanitech F
Superconcentrated Detergent Safe & Effective Disinfection for Food Contact Surfaces & Areas

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

Identified uses Disinfectant.

1.3. Details of the supplier of the safety data sheet

Supplier Rozone Ltd
Queen Street
Darlaston
Wednesbury
West Midlands
WS10 8JF
Tel: 0121 526 8181
info@rozone.co.uk

1.4. Emergency telephone number

Emergency telephone Rozone: 0121 526 8181 (Mon - Fri, 09:00-17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word Danger

Hazard statements EUH208 Contains POLYMERIC BIGUANIDE HYDROCHLORIDE. May produce an allergic reaction.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements	<p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Detergent labelling	< 5% cationic surfactants, < 5% disinfectants, Contains PROPAN-2-OL
Supplementary precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p>

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<p>BENZYL C12-16 ALKYLDIMETHYL CHLORIDE 1-5%</p> <p>CAS number: 68424-85-1 EC number: 270-325-2</p> <p>M factor (Acute) = 1 M factor (Chronic) = 1</p>
<p>Classification</p> <p>Acute Tox. 4 - H302</p> <p>Skin Corr. 1B - H314</p> <p>Aquatic Acute 1 - H400</p> <p>Aquatic Chronic 1 - H410</p>
<p>SODIUM CARBONATE 1-5%</p> <p>CAS number: 497-19-8 EC number: 207-838-8</p>
<p>Classification</p> <p>Eye Irrit. 2 - H319</p>
<p>DIDECYLDIMETHYLAMMONIUM CHLORIDE <1%</p> <p>CAS number: 7173-51-5 EC number: 230-525-2</p> <p>M factor (Acute) = 10</p>
<p>Classification</p> <p>Acute Tox. 4 - H302</p> <p>Skin Corr. 1B - H314</p> <p>Eye Dam. 1 - H318</p> <p>Aquatic Acute 1 - H400</p> <p>Aquatic Chronic 2 - H411</p>

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POLYMERIC BIGUANIDE HYDROCHLORIDE	<1%
CAS number: 27083-27-8	
M factor (Acute) = 10	M factor (Chronic) = 10
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Skin Sens. 1B - H317 Carc. 2 - H351 STOT RE 1 - H372 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	
PROPAN-2-OL	<1%
CAS number: 67-63-0	EC number: 200-661-7
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	
SODIUM HYDROXIDE	<1%
CAS number: 1310-73-2	EC number: 215-185-5
Classification Skin Corr. 1A - H314 Eye Dam. 1 - H318	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments Contains active substance: Benzyl (C12-16) alkyl dimethyl chlorides 2.23 w/w, Didecyldimethylammonium chloride 0.5% w/w, poly(hexamethylene biguanide) hydrochloride 0.5% w/w

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	The product is considered to be a low hazard under normal conditions of use.
Ingestion	Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Rinse cautiously with water for several minutes.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Inhalation	The product is considered to be a low hazard under normal conditions of use.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	May cause allergic contact eczema.

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Eye contact Pain. Redness. Visual disturbances, including blurred vision. Profuse watering of the eyes.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Take care as floors and other surfaces may become slippery.

6.2. Environmental precautions

Environmental precautions Dangerous for the environment if discharged into watercourses. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with inert, damp, non-combustible material. Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Good personal hygiene procedures should be implemented. Avoid contact with skin, eyes and clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly closed in a cool place.

7.3. Specific end use(s)

Usage description

RES Sanitech F usage

1. Pre-clean surfaces with an alkaline detergent such as RES Restore Clean and rinse.
2. Pre-dilute product and apply to the surface using a fine mist spray or apply directly by hand or mop.
3. Allow dwell time of at least 5 minutes prior to rinsing. Longer contact times are acceptable provided that food contact surfaces are rinsed prior to use.
4. Rinse with water.

Further advice is available from Technical Services Department.

Dilution:

10% (100ml made up to 1litre)

Do not over dilute as this reduces the efficacy of biocidal action.

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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Eye/face protection

Wear eye protection.

Hand protection

For users with sensitive skin, it is recommended that suitable protective gloves are worn.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Colourless.
Odour	Characteristic.
pH	pH (concentrated solution): 11.5
Relative density	1.015 @ °C

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.4. Conditions to avoid

Conditions to avoid	No specific requirements are anticipated under normal conditions of use.
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10.5. Incompatible materials

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Materials to avoid Acids. Alkalis. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon dioxide (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 22,471.91

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 60.0

Inhalation The product is considered to be a low hazard under normal conditions of use.

Ingestion May cause discomfort if swallowed.

Skin contact May cause sensitisation or allergic reactions in sensitive individuals.

Eye contact Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability

Persistence and degradability The product contains inorganic substances which are not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely.

12.4. Mobility in soil

Mobility Mobile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

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UN No. (ICAO) 3082

UN No. (ADN) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS DIDECYLDIMETHYLAMMONIUM CHLORIDE, POLYMERIC BIGUANIDE HYDROCHLORIDE)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS DIDECYLDIMETHYLAMMONIUM CHLORIDE, POLYMERIC BIGUANIDE HYDROCHLORIDE)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS DIDECYLDIMETHYLAMMONIUM CHLORIDE, POLYMERIC BIGUANIDE HYDROCHLORIDE)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS DIDECYLDIMETHYLAMMONIUM CHLORIDE, POLYMERIC BIGUANIDE HYDROCHLORIDE)

14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID classification code M6

ADR/RID label 9

IMDG class 9

ICAO class/division 9

ADN class 9

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

ADN packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS F-A, S-F

ADR transport category 3

Emergency Action Code •3Z

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Hazard Identification Number 90
(ADR/RID)

Tunnel restriction code (-)

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

Transport in bulk according to Not applicable.

**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

National regulations The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 as amended.
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 as amended
Control of Substances Hazardous to Health Regulations 2002 (as amended).
EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 21/06/2021

Revision 1

SDS number 22126

Hazard statements in full H225 Highly 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.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H372 Causes damage to organs (Respiratory tract) through prolonged or repeated exposure if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains POLYMERIC BIGUANIDE HYDROCHLORIDE. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.