

1 Substance Identification

Product Details

Trade name: Wax-Out!
Substance Application: Textile Auxiliary
Supplier: George Weil & Sons Ltd
 Old Portsmouth Road
 Peasmarsh
 Guildford
 Surrey
 Tel : 01483 565800
Emergency Information Tel : 01483 421853 (eve and w/e)

2 Composition

Chemical Characterisation

Description: Non-ionic Detergent plus Polyacrylic acid, sodium salt in water dispersion, containing polyphosphate, plus Sodium Carbonate

Dangerous Compounds

Polymer Fatty Alcohol, ethoxylated Xn; R 22-41	40 – 80%
Polymer Fatty Alcohol, ethoxylated Xi; R 41	3 – 5%
Sodium Carbonate (anhydrous)	3 – 5%
Water	Balance

3 Hazard Identification

Hazard designation

Xi Irritant

Particular dangers for man and environment

R41 Risk of serious damage to eyes

Classification System

Classification based on guidelines from the EC, CESIO recommendations

4 First Aid measures

General Information

Instantly remove any clothing soiled by the product
 It is advisable to present this safety data sheet when visiting a doctor.

After inhalation

Provide with fresh air, consult doctor in presence of symptoms

After skin contact

Wash with water and soap and rinse thoroughly
 If skin irritation continues consult doctor

After eye contact

Rinse opened eye for several minutes under running water
 Call doctor immediately

After swallowing

Rinse out mouth and then drink plenty of water
 Do not induce vomiting. Call instantly for medical help

Trade Name:	Wax-Out!
5 Fire fighting measures	
<p>Suitable extinguishing agents CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam</p> <p>Special hazards caused by the material, its products of combustion or flue gases In case of fire or smouldering fire harmful substances are released Can be released in case of fire: Oxides of carbon Phosphorous compounds Acrylic monomers During thermal decomposition hazardous and flammable vapours are set free</p> <p>Protective equipment Wear self-contained breathing apparatus</p> <p>Additional information Cool endangered containers with water jet In case of fire do not inhale smoke Dispose of fire debris and contaminated fire fighting water in accordance with official regulations</p>	
6 Accidental release measures	
<p>Person-related safety Precautions Personal protection see point 8 Particular danger of slipping on leaked/spilled product</p> <p>Measures for environmental protection Do not allow to enter ground, water or sewage system Pay attention to local or official regulations</p> <p>Measures for collecting/Cleaning Absorb with liquid binding material(sand diatomite, sawdust) Clean the soiled surfaces thoroughly Dispose of material collected according to regulations</p>	
7 Handling and storage	
<p>Handling</p> <p>Information for safe handling Keep containers tightly sealed Ensure good ventilation/exhaustion at the workplace</p> <p>Information about protection against explosions and fires Keep ignition sources away – Do not smoke</p> <p>Sensitisation No sensitising effect is known</p> <p>Additional toxicological information The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: Irritant</p> <p>Storage</p> <p>Requirements to be met by store room and containers Always store in containers which correspond to the original ones</p> <p>Information about storage in one common storage facility Not required</p> <p>Further information about storage conditions Protect from temperatures over +60°C Protect from frost Keep containers tightly sealed</p> <p>Storage class: 10 (according to VCI-outline)</p>	

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8 Exposure controls and personal protection

Additional information about design of technical systems

No further data; see item 7

Components with critical values that require monitoring at the workplace

Remarks

The product does not contain any relevant quantities of materials with critical values to have to be monitored in the workplace

Personal protective equipment

General protective and hygienic measures

Avoid contact with eye and skin

Instantly remove any soiled and impregnated garments

The usual precautionary measures should be used when handling the chemicals

Breathing equipment

Use breathing protection in case of insufficient ventilation

Combination filter A/P

Protection of hands

Protective gloves, nitrile rubber thickness >0.35mm

Penetration time of glove material

Permeation value: level ≥ 6 (480 mins)

Recommended wearing time

50% of penetration time

Eye Protection

Tightly sealed safety glasses

Face protection

Body protection

Protective work clothing

9 Physical and chemical properties

General information

Form.	Fluid
Colour:	colourless – yellowish
Smell:	mild
Melting point	not determined
Boiling point	100°C
Flash point	>100°C
Ignition point	>200°C
Decomposition temperature	none if used according to instructions
Self-inflammability	not self igniting
Danger of explosion	not explosive
Oxidising properties	not applicable
Steam pressure	not applicable
Density at 20°C	1.1g/cm ³
Relative steam density	Not applicable
Evaporation rate	Not applicable
Solubility in water	Miscible
pH value (100g/l)	6.0 – 8.5

10 Stability and reactivity

Conditions to be avoided

No decomposition if used according to specifications

Dangerous products of decomposition

No dangerous decomposition if stored and handled appropriately

Can be released in case of fire

See section 5

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3 Toxicological information

Acute toxicity

LD/LC50 values relevant to classification

OECD-Test 401; Oral LD50 >2000mg/kg (rat)

Primary irritant effect:

On skin

No irritant effect, has degreasing effect on skin

On eye

Danger of severe damage to eye (classified according to CESIO recommendations)

In case of ingestion

No damaging effect is known

Sentisation

No sensitising effect is known

Additional toxicological information

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information

Information about elimination (persistence and degradability)

Method: Zahn-Wellens-Test OECD 302B with CO₂ (DIN-EN 29439)

Analysing Method: DOC and CO₂ measurement

Mineralisation: 65%

Degree of elimination: 95%

Evaluation text: The product is "inherently biodegradable" according to the criteria of the OECD

Other information: The total of the surfactants in the product is judged to be readily biodegradable according to the OECD

The elimination of the other components of the product in a sewage clarification plant is carried out by means of abiotic processes such as flocculation and precipitation, sedimentation, adsorption to the activated sludge and mechanical precipitation.

Ecotoxicological effects:

Aquatic toxicity

Fish toxicity LC50: >1 – 10mg/l (96h), argument by analogy

Daphnia toxicity EC 50 (OECD 202 pt 1 DIN 38412 pt 11, DEV L11)

3.7mg/l (Daphnia magna, 48h)

Algae toxicity EC50: >1 – 10mg/l (72h), argument by analogy

Behaviour in sewage processing plants

Bacteria toxicity EC10:

Bacteria toxicity EC50: >1000mg/l (OECD 209)

Other information

If small concentrations are introduced into adapted biological sewage purification plants according to instructions there will be no negative effects on the degrading activity of the activated sewage sludge

Additional ecological information:

Chemical oxygen demand COD (DIN 38 409 part 41, 43; DEV H41,43): 1965mg O₂/g

Biochemical oxygen demand BOD5 (DIN 38 409 pt51; DEV H51): 592mg O₂/g

AOX (DIN 38 409 dalis 14; DEV H 14)

Because the components, which do not contain any organic halogens, this product does not increase the AOX values in the waste water

Other information

To our knowledge the product does not contain heavy metals and other compounds of EC directive 76/464 EC

The product should not be released into the aquatic environment without preliminary treatments (biological purification plant)

Trade Name: Wax-Out!
<div data-bbox="264 248 1350 311" style="border: 1px solid black; padding: 2px;">13 Disposal recommendations</div> <p>Product: Recommendation: disposal must be according to the official regulations Uncleaned packaging Recommendations: disposal must be according to the official regulations Recommended cleaning agent; water if necessary with cleaning agent</p>
<div data-bbox="264 562 1350 633" style="border: 1px solid black; padding: 2px;">14 Transport information</div> <p>Transport/additional information Does not belong to dangerous goods according to transport regulations</p>
<div data-bbox="264 763 1350 835" style="border: 1px solid black; padding: 2px;">15 Regulatory information</div> <p>Designation according to EC guidelines Classification is based on guidelines from the EC, the GedStoffV, CESIO recommendations and is completed through information from the company Observe the normal safety regulations when handling chemicals Code letter and hazard designation of product Xi irritant Risk phrases 41 risk of serious damage to eyes Safety phrases 26 In case of contact with skin rinse immediately with plenty of water and seek medical advice 28 After contact with skin, wash immediately with plenty of soap and water 37/39 Wear suitable gloves</p>
<div data-bbox="264 1267 1350 1328" style="border: 1px solid black; padding: 2px;">16 Other information</div> <p>This data is based on our present knowledge. However it shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.</p> <p>Relevant R-phrases 22 Harmful if swallowed 41 Risk of serious damage to eyes</p>