

**SECTION 1: Identification of the substance/mixture and of the company/undertaking***1.1. Product identifier***Trade name** ES 2**Article No.** 7640*1.2. Relevant identified uses of the substance or mixture and uses advised against***Product type** Paint remover.*1.3. Details of the supplier of the safety data sheet***SDS created by** Intersolia Sweden AB**Supplier** TakcareStreet address Vipvägen 7  
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Telephone: +46 (0) 70-788 03 20**SECTION 2: Hazards identification***2.1. Classification of the substance or mixture*

**Classification according to Regulation (EC) No 1272/2008, Annex VI**

<b>Classification</b>	Skin irritation, hazard category 2 Eye irritation, hazard category 2 Acute toxicity, oral, hazard category 4 Acute toxicity, inhalation, hazard category 4
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<b>Hazard statements</b>	H302, H315, H319, H332
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## 2.2. Label elements

**GHS labeling of the substance (in accordance with Regulation (EC) No 1272/2008, Annex VI)****Pictogram**

<b>Signal word</b>	Warning
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<b>Hazard statements</b>	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled.
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<b>Precaution statements</b>	P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician/ / if you feel unwell. P302 + P352 IF ON SKIN: Wash with plenty of and water. P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTER or /doctor/physician/ / if you feel unwell. P330 Rinse mouth. P332 + P313 If skin irritation occurs: Get medical advice/attention. P337 + P313 If eye irritation persists: Get medical advice/attention. P362 Take off contaminated clothing and wash before reuse.
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## 2.3. Other hazards

Not applicable

**SECTION 3: Composition/information on ingredients**

## 3.2. Mixtures

<b>Chemical name</b>	<b>CAS No. EC No. REACH No.</b>	<b>Concentration</b>	<b>Classification</b>	<b>H-phrase</b>
Benzyl alcohol	100-51-6 202-859-9 02-2119621943-38-	10 - 30%	Acute Tox. 4 - oral, Acute Tox. 4 - inhalation	H302, H332
Dimethyl glutarate	1119-40-0 214-277-2	<30%	-	-

	01-2119900156-49-			
2-Butoxyethanol	111-76-2 203-905-0 01-2119475108-36-	10 - 20%	Skin Irrit. 2, Eye Irrit. 2, Acute Tox. 4 - oral, Acute Tox. 4 - dermal, Acute Tox. 4 - inhalation	H302, H312, H315, H319, H332
Dimethyl adipate	627-93-0 211-020-6 01-2119911093-50-	<20%	-	-
Dimethyl succinate	106-65-0 203-419-9 01-2119486681-29-	<20%	Eye Irrit. 2	H319
γ-Butyrolactone	96-48-0 202-509-5 01-2119471839-21-	<20%	Eye Irrit. 2, Acute Tox. 4 - oral	H302, H319
Triethanolamin	102-71-6 203-049-8 01-2119486482-31-	<5%	-	-

**Substance additional information**

For the full text of the H phrases mentioned in this Section, see Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>Inhalation</b>	Fresh air and rest.
<b>Skin contact</b>	Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse carefully with lukewarm water for several minutes. Remove any contact lenses. Keep eyelids wide apart. Continue to rinse. Contact a doctor if the irritation persists.
<b>Ingestion</b>	If the injured person is fully conscious, give him/her a couple of glasses of milk or water immediately. DO NOT INDUCE VOMITING! Call a physician immediately.

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

<b>Inhalation</b>	nausea or vomiting. Inhalation of high concentrations can result in: Pain, cough, headache, nausea, Vertigo and tiredness.
<b>Skin contact</b>	Repeated or prolonged skin contact can result in sensitisation in susceptible individuals.
<b>Eye contact</b>	Can cause temporary problems such as burning sensation, pain and reddening.
<b>Ingestion</b>	Aspiration into the lungs during vomiting or ingestion can result in chemical pneumonia. Ingestion may cause: nausea, vomiting, diarrhoea and breathing difficulties.

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

Eye washes must be available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Suitable extinguishing media: carbon dioxide (CO<sub>2</sub>), powder or Diffuse jet of water.  
Fire extinguishing methods: Cool with a diffuse jet of water. Cover with dry sand.

### 5.2. Special hazards arising from the substance or mixture

Not flammable, but can sustain combustion. The product can ignite when heated to temperatures at or in excess of the flash point.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

In the event of fire, wear self contained breathing apparatus. Wear suitable protective clothing.

#### Other

Containers in the vicinity of fire should be moved immediately or cooled with water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use protective equipment as specified in section 8 of SDS. Avoid inhalation and contact with the skin and eyes.

### 6.2. Environmental precautions

Prevent large discharges to drains. Collect in a suitable container that is approved for this purpose. Bank up and collect. In the event of major discharges into water, contact the waterworks or sewage works.

### 6.3. Methods and material for containment and cleaning up

Absorb in inert material (vermiculite, dry sand or soil) and collect. Rinse clean with plenty of water. Consider the risk of slipping. Only large-scale discharges can constitute a risk.

### 6.4. Reference to other sections

Personal protection see section 8 and for disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

Avoid spillages, as well as contact with the skin and eyes. Do not inhale fumes. Ensure good ventilation/extraction at the workplace. Store separately from sources of ignition.

#### General hygiene

Wash hands before eating, drinking, or smoking. Ensure good industrial hygiene.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in the original container to avoid contamination. Keep tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. The product can attack certain plastics, rubber, painted and varnished surfaces.

### 7.3. Specific end use(s)

This product should only be used for those uses described in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

National occupational exposure limits	Ingredient	CAS no.	EC No.	Exposure limit mg/m <sup>3</sup> -ppm		Short-term exposure limit mg/m <sup>3</sup> -ppm		Remark	Source	Year
	2-Butoxyethanol	111-76-2	203-905-0	123	25	246	50	Sk, BMGV	EH40/2005 Workplace exposure limits	-

### 8.2. Exposure controls

<b>Technical precaution measures</b>	Provide sufficient air exchange and/or exhaust in work rooms. Mechanical ventilation or local extraction may be required. Ensure that eyewash station are close to the workplace.
<b>Eye / face protection</b>	Wear protective goggles when there is a risk of eye contact. Safety glasses with side-shields conforming to EN166.
<b>Safety gloves</b>	For prolonged or repeated contact use protective gloves. When handling chemicals, only CE marked chemical-resistant gloves may be used. The gloves must conform to the standard EN 374. Wear protective gloves made of butylrubber, nitrile rubber or natural rubber.
<b>Other skin protection</b>	Wear suitable protective clothing to prevent contact with the skin. Remove and wash contaminated clothing before re-use.
<b>Respiratory protection</b>	Wear breathing protection with a type AX gas filter in the event of insufficient ventilation.
<b>Environmental exposure controls</b>	Try to prevent the material from entering drains or water courses.

## SECTION 9: Physical and chemical properties

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

<b>Appearance, colour</b>	colorless
<b>Appearance, physical state</b>	Not applicable
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Not applicable
<b>Density</b>	1020 kg/m <sup>3</sup>
<b>Evaporation rate</b>	Not applicable
<b>Explosive properties</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable
<b>Flash point</b>	~90,00 ° C
<b>Form</b>	high viscosity liquid

<b>Initial boiling point and boiling range</b>	Not applicable
<b>Melting point / freezing point</b>	Not applicable
<b>Odour</b>	weak odour of solvents
<b>Odour treshold</b>	Not applicable
<b>Oxidising properties</b>	Not applicable
<b>Partition coefficient: n-octanol / water</b>	Not applicable
<b>pH in solution</b>	~8,00
<b>pH value</b>	Not applicable
<b>Relative density</b>	Not applicable
<b>Solubility</b>	Can be mixed with: Organic solvents
<b>Solubility in water</b>	~50 %
<b>Upper / lower flammability or explosive limits</b>	Not applicable
<b>Vapour density</b>	Not applicable
<b>Vapour pressure</b>	Not applicable
<b>Viscosity</b>	Not applicable

#### 9.2. Other information

Not applicable

## SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Not applicable

#### 10.2. Chemical stability

**Chemical stability** Stable under recommended storage conditions. The product is partially soluble in water.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Can react with strong oxidising substances and with strong acids or bases.

#### 10.4. Conditions to avoid

**Conditions to avoid** Keep away from heat and sources of ignition.

#### 10.5. Incompatible materials

Not applicable

## 10.6. Hazardous decomposition products

**Hazardous decomposition products**

Incomplete combustion/thermal degradation generates smoke, carbon dioxide (CO<sub>2</sub>), and harmful gases, e.g. carbon monoxide.

**SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

**acute toxicity**

Inhalation can cause: nausea and vomiting.  
Inhalation of high concentrations can result in: Pain, cough, headache, nausea, Vertigo and tiredness.  
Aspiration into the lungs during vomiting or ingestion can result in chemical pneumonia.  
Ingestion may cause: nausea, vomiting, diarrhoea and breathing difficulties.

**skin corrosion/irritation**

Not applicable

**serious eye damage/irritation**

Not applicable

**Irritation**

Repeated or prolonged skin contact can result in sensitisation in susceptible individuals.  
Eye contact: Can cause temporary problems such as burning sensation, pain and reddening.

**respiratory or skin sensitisation**

Repeated or prolonged skin contact can result in skin irritation and/or dermatitis and sensitisation in susceptible individuals.

**germ cell mutagenicity**

Not applicable

**carcinogenicity**

Not applicable

**reproductive toxicity**

Not applicable

**STOT-single exposure**

Not applicable

**STOT-repeated exposure**

Not applicable

**aspiration hazard**

Not applicable

**LD50 Oral**

2-Butoxyethanol ( rat ): 470 mg/kg.  
Benzyl alcohol ( rat ): 1200 mg/kg.  
Y-Butyrolactone ( rat ): 800 mg/kg.  
Dimethyl adipate ( rat ): 8191 mg/kg.  
Dimethyl glutarate ( rat ): 8191 mg/kg.  
Dimethyl succinate ( rat ): > 5000 mg/kg.  
Triethanolamin ( rat ): 6400 mg/kg.  
Glycolic acid ( rat ): 1950 mg/kg.

**LD50 Dermal**

2-Butoxyethanol ( rat ): 2270 mg/kg.  
2-Butoxyethanol ( rabbit ): 220 mg/kg.  
Benzyl alcohol ( rabbit ): 2000 mg/kg.  
Dimethyl adipate ( rabbit ): > 2250 mg/kg.  
Dimethyl glutarate ( rabbit ): > 2250 mg/kg.  
Dimethyl succinate ( rabbit ): > 5000 mg/kg.  
Triethanolamin ( rabbit ): > 2000 mg/kg.

**LC50 Inhalation**

2-Butoxyethanol ( rat ): 2,2 mg/l (4 h).  
Y-Butyrolactone ( rat ): > 2,68 mg /l (4 h).  
Glycolic acid ( rat ): 7,1 mg/l (4 h).

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Toxicity</b>	The product has a low level of toxicity to aquatic organisms.
<b>Acute fish toxicity</b>	Dimethyl succinate (LC50): (96 h) 10-100 mg/l. Dimethyl glutarate (LC50): (96 h) 33,6 mg/l. Dimethyl adipate (LC50): (96 h) 30,9 mg/l. Y-Butyrolactone (LC50): (96 h) 220-460 mg/l. 2-Butoxyethanol (LC50): (96 h) 1125 mg/l. Benzyl alcohol (LC50): (96 h) 10 mg/l. Glycolic acid (LC50): (96 h) > 5000 mg/l. Triethanolamin (LC50): (96 h) 11800 mg/l.
<b>Acute algae toxicity</b>	Dimethyl glutarate (IC50): (72 h) 18,2 mg/l. Y-Butyrolactone (IC50): (72 h) 79 mg/l. 2-Butoxyethanol (IC50): (72 h) > 286 mg/l. Benzyl alcohol (IC50): (72 h) 100 mg/l. Triethanolamin (IC50): (72 h) 216 mg/l.
<b>Acute crustacean toxicity</b>	Dimethyl succinate (EC50): (48 h) 10-100 mg/l. Dimethyl glutarate (EC50): (48 h) 122,1 mg/l. Dimethyl adipate (EC50): (48 h) 112-150 mg/l. Y-Butyrolactone (EC50): (48 h) > 500 mg/l. 2-Butoxyethanol (EC50): (48 h) 835 mg/l. Triethanolamin (EC50): (48 h) 609,88 mg/l.

### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	Expected to be easily biodegradable.
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### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	Bioaccumulation is unlikely.
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### 12.4. Mobility in soil

Not applicable

### 12.5. Results of PBT and vPvB assessment

Not applicable

### 12.6. Other adverse effects

Not applicable

### Other

This assessment is based on the properties of the individual components.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods



**Disposal considerations**

Local provisions and EU provisions must be followed during waste handling. After dilution with water, small quantities are permitted to go to water treatment plants. Residue and used product that cannot be reused must be handled as hazardous waste.  
The company is affiliated to REPA.

**Packaging**

Do not attempt to refill or clean the package. Emptied and cleaned packages can be recycled or incinerated.

*Other***Waste management**

The Waste Regulations 2011 No. 988  
H4 Irritant: substances and preparations that are not corrosive, but that can cause inflammation in the event of direct, prolonged or repeated contact with the skin or mucous membranes.  
H 5 Harmful to health: The waste contains a substance or preparation that can result in limited damage to health when inhaled, ingested or absorbed through the skin.

**Waste code (EWC)**

20 01 13\* solvent

**Additional waste information**

The waste code (EWC) is a recommendation. In the event of non-compliant handling, the end user is personally responsible for a suitable EWC code.

**SECTION 14:Transport information***14.1. UN 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 applicable

*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

**SECTION 15:Regulatory information***15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture*

**EU regulations**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, REACH.  
 European Parliament and Council Regulation (EC) No 1272/2008, CLP.  
 Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Annex II SDS.

**National regulations**

EH40/2005 Workplace exposure limits Waste Ordinance (2011:927).

**15.2. Chemical safety assessment**

Not applicable

**SECTION 16: Other information****References to key literature and data sources**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council, REACH.  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council. .  
 Regulation (EC) No 648/2004 of the European Parliament and of the council on detergents.  
 EH40/2005 Workplace exposure limits  
 Waste Ordinance (2011:927).  
 www.prevent.se  
 C&L Inventory database  
 Information also obtained from the constituent substances' safety data sheets.

**Phrase meaning**

Acute Tox. 4 - dermal - Acute toxicity, dermal, hazard category 4  
 Acute Tox. 4 - inhalation - Acute toxicity, inhalation, hazard category 4  
 Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4  
 Eye Irrit. 2 - Eye irritation, hazard category 2  
 Skin Irrit. 2 - Skin irritation, hazard category 2  
 H302 - Harmful if swallowed.  
 H312 - Harmful in contact with skin.  
 H315 - Causes skin irritation.  
 H319 - Causes serious eye irritation.  
 H332 - Harmful if inhaled.