



## SAFETY DATA SHEET

### Safe Wheel Cleaner - Ultimate Finish

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

##### 1.1. Product identifier

**Product name** Safe Wheel Cleaner - Ultimate Finish

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

**Identified uses** Alloy Wheel Cleaner

**Uses advised against** This product is not recommended for any other purpose than stated above.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Three 60 Limited T/A Ultimate Finish  
Unit 1, Brands Hatch Park, Scratchers Lane,  
Fawkham, Longfield, DA3 8PU  
0333 800 8004  
sales@theultimatefinish.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** 0333 800 8004 - Monday to Friday 08:00am - 6:00pm GMT.

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Skin Corr. 1 - H314

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Pictogram



**Signal word** Danger

**Hazard statements** H314 Causes severe skin burns and eye damage.

**Precautionary statements** P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water or shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep 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.  
P501 Dispose of contents/ container in accordance with national regulations.

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**Detergent labelling** < 5% amphoteric surfactants, < 5% EDTA and salts thereof, < 5% non-ionic surfactants, < 5% perfumes

**Supplementary precautionary statements** P260 Do not breathe vapour/ spray.  
P264 Wash contaminated skin thoroughly after handling.  
P310 Immediately call a POISON CENTER/ doctor.  
P321 Specific treatment (see medical advice on this label).  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.

### 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

<b>TETRASODIUM ETHYLENE DIAMINE TETRAACETATE</b> <b>1-5%</b>		
CAS number: 64-02-8	EC number: 200-573-9	REACH registration number: 01-2119486762-27-XXXX
<b>Classification</b> Met. Corr. 1 - H290 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Irrit. 2 - H319 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22 Xi;R41	
<b>Sodium Hydroxide</b> <b>&lt;1%</b>		
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R35	
<b>2-Butoxyethanol</b> <b>&lt;1%</b>		
CAS number: 111-76-2	EC number: 203-905-0	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R20/21/22 Xi;R36/38	

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information** Move affected person to fresh air at once. Effects may be delayed. Keep affected person under observation. Get medical attention if any discomfort continues.

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<b>Inhalation</b>	Get medical attention if any discomfort continues.
<b>Ingestion</b>	Remove affected person from source of contamination. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
<b>Eye contact</b>	May cause serious eye damage.

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

<b>Notes for the doctor</b>	No specific recommendations. If in doubt, get medical attention promptly.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	The product is non-combustible. Irritating gases or vapours. Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon. Nitrogen. No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Use air-supplied respirator, gloves and protective goggles. Use protective equipment appropriate for surrounding materials.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with skin and eyes. For personal protection, see Section 8.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### 6.3. Methods and material for containment and cleaning up

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### Methods for cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Stop leak if possible without risk. Dike far ahead of larger spills for later disposal. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery.

### 6.4. Reference to other sections

**Reference to other sections** See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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

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

**Storage precautions** Keep only in the original container. Store in a cool and well-ventilated place.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Sodium Hydroxide

Long-term exposure limit (8-hour TWA): WEL 2 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

##### 2-Butoxyethanol

Long-term exposure limit (8-hour TWA): WEL 25 ppm(Sk) 123 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 246 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

**DNEL** Consumer - Oral; Long term systemic effects: 25 mg/kg/day  
Consumer - Inhalation; Short term local effects: 1.5 mg/m<sup>3</sup>  
Consumer - Inhalation; Short term systemic effects: 1.5 mg/m<sup>3</sup>  
Industry - Inhalation; Short term systemic effects: 2.5 mg/m<sup>3</sup>  
Industry - ; Short term local effects: 2.5 mg/m<sup>3</sup>

**PNEC** - Fresh water; 2.2 mg/l  
- Intermittent release; 1.2 mg/l  
- Marine water; 0.22 mg/l  
- STP; 43 mg/l  
- Soil; 0.72 mg/kg

### Alcohols C9-11, ethoxylated (CAS: 68439-46-3)

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**Ingredient comments** No exposure limits known for ingredient(s).

### Sodium Hydroxide (CAS: 1310-73-2)

**DNEL** Consumer - Inhalation; Short term local effects: 1 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term local effects: 1 mg/m<sup>3</sup>  
 Industry - Inhalation; Long term local effects: 1 mg/m<sup>3</sup>

### 2-Butoxyethanol (CAS: 111-76-2)

**DNEL** Consumer - Oral; Long term systemic effects: 3.2 mg/kg/day  
 Worker Inhalation Long Term Systemic Effects 98 mg/m<sup>3</sup>  
 Consumer - Dermal; Short term systemic effects: 44.5 mg/kg/day  
 Industry - Dermal; Short term systemic effects: 89 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 38 mg/kg/day  
 Industry - Dermal; Long term systemic effects: 75 mg/kg/day  
 Consumer - Inhalation; Short term local effects: 123 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term systemic effects: 426 mg/m<sup>3</sup>  
 Industry - Inhalation; Short term systemic effects: 246 mg/m<sup>3</sup>  
 Consumer - Inhalation; Long term systemic effects: 49 mg/m<sup>3</sup>

**PNEC** - Fresh water; 8.8 mg/l  
 - Sediment (Freshwater); 34.6 mg/kg  
 - Sediment (Marinewater); 3.46 mg/kg  
 - Marine water; 0.88 mg/l  
 - STP; 463 mg/l  
 - Soil; 2.8 mg/kg

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

### Eye/face protection

Use appropriate eye protection if there is a risk of eye contact through splashing.

### Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

### Other skin and body protection

Provide eyewash station. Work clothes protecting arms, legs and body should be used, together with a PVC protective apron which should be long enough to cover rubber shoes/boots thus eliminating the possibility of splashes or spillages entering the footwear.

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<b>Hygiene measures</b>	Based on and limited to our experience of this product, the following special advice is believed to provide satisfactory protection for the industrial user or handler. The choice of suitable protective equipment depends on work conditions and what methods are used for handling the substance. This advice is not a substitute for each Company conducting their own Risk/COSHH Assessments, but is provided as general guidance. Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use barrier cream to prevent drying of skin. Eating, smoking and water fountains prohibited in immediate work area.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Blue.
<b>Odour</b>	Fruity.
<b>pH</b>	pH (concentrated solution): ~12.5
<b>Relative density</b>	~ 1
<b>Solubility(ies)</b>	Soluble in water.

#### 9.2. Other information

<b>Other information</b>	No relevant information available.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	May react with: strong acids, strong alkalis and oxidising agents.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. No particular stability concerns.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not applicable. Will not polymerise.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation. Avoid excessive heat for prolonged periods of time.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong acids. Strong oxidising agents.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

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<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b>ATE inhalation (dusts/mists mg/l)</b>	87.63
<b>General information</b>	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
<b>Inhalation</b>	No significant hazard at normal ambient temperatures. Heating may generate the following products: Irritating gases or vapours.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	May cause defatting of the skin but is not an irritant.
<b>Eye contact</b>	May cause temporary eye irritation.
<b>Acute and chronic health hazards</b>	This product is corrosive. This product may cause skin and eye irritation. Prolonged contact may cause burns. Repeated exposure may cause chronic eye irritation. May cause chemical eye burns. Swallowing concentrated chemical may cause internal injury.
<b>Route of exposure</b>	Ingestion. Skin and/or eye contact
<b>Target organs</b>	Eyes Gastro-intestinal tract Respiratory system, lungs Skin
<b>Medical symptoms</b>	No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.
<b>Medical considerations</b>	Skin disorders and allergies.

### Toxicological information on ingredients.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

**ATE oral (mg/kg)** 2,000.0

##### Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)** 1.5

<b>General information</b>	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Harmful
<b>Skin contact</b>	Irritating to skin.
<b>Eye contact</b>	Risk of serious damage to eyes.

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### Sodium Hydroxide

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 2,000.0

**Species** Rat

#### **General information**

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

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

#### **Skin contact**

Strong caustic effect on skin and mucous membranes.

#### **Eye contact**

Strong caustic effect.

### SECTION 12: Ecological Information

**Ecotoxicity** Not classified as dangerous to the environment.

#### 12.1. Toxicity

##### Ecological information on ingredients.

### Sodium Hydroxide

#### **Toxicity**

Aquatic toxicity:

EC 50 >100mg/l (daphnia) (OECD 202)

EC 50 (48u) >156mg/l (daphnia)

LC 50 (48u) >189mg/l (Leuciscus idus) (OECD 203)

LC 50 (96u) >55.6mg/l (fish)

#### 12.2. Persistence and degradability

**Persistence and degradability** No supplementary information available. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

##### Ecological information on ingredients.

### Sodium Hydroxide

#### **Persistence and degradability**

No further relevant information available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No further relevant information available.

##### Ecological information on ingredients.

### Sodium Hydroxide

#### **Bioaccumulative potential**

No further relevant information available.

#### 12.4. Mobility in soil

**Mobility** No further relevant information available.



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### Ecological information on ingredients.

#### Sodium Hydroxide

**Mobility** No further relevant information available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No additional information available.

### Ecological information on ingredients.

#### Sodium Hydroxide

**Results of PBT and vPvB assessment** Not applicable

### 12.6. Other adverse effects

**Other adverse effects** No supplementary information available.

### Ecological information on ingredients.

#### Sodium Hydroxide

**Other adverse effects** Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.  
Do not allow product to reach ground water, water course or sewage system.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The packaging must be empty (drop-free when inverted).

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Larger quantities should be treated in a suitable plant or disposed of via a licensed waste disposal contractor. Packaging: Recover and reclaim or recycle. If practical.

## SECTION 14: Transport information

### 14.1. UN number

UN No. (ADR/RID)	1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760
UN No. (ADN)	1760

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
<b>Proper shipping name (IMDG)</b>	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
<b>Proper shipping name (ICAO)</b>	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE
<b>Proper shipping name (ADN)</b>	CORROSIVE LIQUID, N.O.S. CONTAINS SODIUM HYDROXIDE

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### 14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C9
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

### 14.5. Environmental hazards

#### Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2X
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

### 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

<b>National regulations</b>	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.
<b>EU legislation</b>	Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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<b>Guidance</b>	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.
<b>Health and environmental listings</b>	Regulation (EC) 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>General information</b>	PLEASE NOTE: The risk phrases itemised below are those relating to concentrated forms of the raw materials used in this product and are not necessarily applicable to the finished item. Please see Section 2 for the current classification of this product.
<b>Revision date</b>	24/11/2017
<b>Revision</b>	1
<b>Hazard statements in full</b>	H290 May be corrosive to metals. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure.

The information provided in this document is based on our present state of knowledge of the product and is given in good faith and to the best of our experience. However, it should not be construed as a technical specification or as guaranteeing specific properties, accuracy, reliability or completeness. In no event we will be responsible for damages or effects of any nature whatsoever, either express or implied, resulting from the use of this information. It is the own responsibility of the consignee and the user of the product to comply with all prevailing and applicable laws, regulations and directives. They should also make their own determination as to the suitability of the product for a particular use or application by carrying out a full risk assessment of their specific processes and systems of work. All information contained within this document is for the product in its undiluted state and 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.