

## SAFETY DATA SHEET

## Ultimate

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier

Product name Ultimate

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

Identified uses Traffic Film Remover

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 WHOLESALE AUTOMOTIVE (UK) LTD  
 UNIT 18, UPMINSTER TRADING PARK  
 ESSEX  
 RM14 3PJ TEL 01708 726995  
 FAX 01708 250019  
 EMAIL PETER@WACUK.COM

Contact person Peter Agapiou

1.4. Emergency telephone number

Emergency telephone 01708 726995- Opening Hours 9 am - 4 pm (Monday - Friday)

**SECTION 2: Hazards identification**2.1. Classification of the substance or mixture Classification

Physical hazards

Not Classified

Health hazards

Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards Not

Classified

Classification (67/548/EEC or 1999/45/EC) C;  
R342.2. 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/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with national regulations.

Contains

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE, Alkylamidopropylbetain, Sodium Hydroxide, Alcohols C9-11, ethoxylated

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Detergent labelling 5 - < 15% amphoteric surfactants, 5 - < 15% EDTA and salts thereof, < 5% non-ionic surfactants

Supplementary precautionary statements

P260 Do not breathe vapour/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P310 Immediately call a POISON CENTER/doctor. P321  
 Specific treatment (see medical advice on this label).  
 P363 Wash contaminated clothing before reuse.

#### 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

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE CAS number: 64-02-8 EC number: 200-573-9 REACH registration number: 01-2119486762-27-XXXX	10-30%
Classification Eye Dam. 1 - H318 Acute Tox. 4 - H302	Classification (67/548/EEC or 1999/45/EC) Xn;R22 Xi;R41
Alkylamidopropylbetain CAS number: – EC number: –	5-10%
Classification Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xi;R41.
TRISODIUM NITRILOTRIACETATE CAS number: 5064-31-3 EC number: 225-768-6 REACH registration number: 01-2119519239-36-XXXX	1-5%
Classification Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351	Classification (67/548/EEC or 1999/45/EC) Carc. Cat. 3;R40 Xn;R22 Xi;R36
Sodium Hydroxide CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-2119457892-27-XXXX	1-5%
Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) C;R35
Alcohols C9-11, ethoxylated CAS number: 68439-46-3 EC number: –	1-5%
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R41.

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

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### 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.

##### Inhalation

Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.

##### Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. DO NOT induce vomiting. Get medical attention immediately. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

##### Skin contact

Remove affected person from source of contamination. Remove contaminated clothing and rinse skin thoroughly with water. Continue to rinse for at least 15 minutes. Get medical attention.

##### Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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

##### General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

##### Inhalation

Coughing, chest tightness, feeling of chest pressure.

##### Ingestion

May cause chemical burns in mouth and throat. May cause discomfort if swallowed. May cause stomach pain or vomiting.

##### Skin contact

Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

##### Eye contact

May cause blurred vision and serious eye damage. Severe irritation, burning and tearing.

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

##### Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

##### Specific hazards

Oxides of the following substances: Carbon. Nitrogen. Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours.

##### Hazardous combustion products

Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

#### 5.3. Advice for firefighters

##### Protective actions during firefighting

Control run-off water by containing and keeping it out of sewers and watercourses. Ventilate closed spaces before entering them. If risk of water pollution occurs, notify appropriate authorities.

##### Special protective equipment for firefighters

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

##### Personal precautions

For personal protection, see Section 8.

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### 6.2. Environmental precautions

#### Environmental precautions

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.

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

#### Methods for cleaning up

Stop leak if possible without risk. DO NOT touch spilled material! Absorb spillage with non-combustible, absorbent material. Flush contaminated area with plenty of water. Contain spillage with sand, earth or other suitable non-combustible material. 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.

### 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. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Avoid acids and combustible materials. Eye wash facilities and emergency shower must be available when handling this product.

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

#### Storage precautions

Keep in cool, dry, ventilated storage and closed containers. Store in closed original container at temperatures between 5°C and 25°C.

Storage class Corrosive 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

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

WEL = Workplace Exposure Limit

#### Ingredient comments

WEL = Workplace Exposure Limits

#### 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

#### TRISODIUM NITRILOTRIACETATE (CAS: 5064-31-3)

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DNEL Industry - Inhalation; Short term systemic effects: 9.6 mg/m<sup>3</sup>  
 Consumer - Inhalation; Short term systemic effects: 2.4 mg/m<sup>3</sup>  
 Industry - Oral; Short term systemic effects: NA  
 Consumer - Oral; Short term systemic effects: 0.9 mg/kg/day  
 Industry - Inhalation; Long term systemic effects: 3.2 mg/m<sup>3</sup>  
 Consumer - Inhalation; Long term systemic effects: 0.8 mg/m<sup>3</sup>  
 Industry - Oral; Long term systemic effects: NA  
 Consumer - Oral; Long term systemic effects: 0.3 mg/kg/day

PNEC - Fresh water; 0.93 mg/l  
 - Marine water; 0.093 mg/l  
 - Intermittent release; 0.8 mg/l  
 - STP; 270 mg/l

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

#### Ingredient comments

No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If mechanical extraction methods are insufficient to maintain concentration of vapours below relevant WEL's, suitable protective equipment should be worn. Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Any person visiting an area where this product is handled or processed should at least wear safety glasses with side shields. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

#### Hand protection

Gloves should be replaced immediately if signs of degradation are observed. The durability of PPE will vary according to use. 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. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

#### 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.

#### Hygiene measures

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. Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn. Seek advice from supervisor on the company's respiratory protection standards.

## SECTION 9: Physical and Chemical Properties

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

#### Appearance

## Ultimate

Liquid.

Colour Blue.

Odour

Characteristic.

pH

pH (concentrated solution): ~14

Relative density

~ 1.1

Solubility(ies) Soluble  
in water.

### 9.2. Other information

Other information

No relevant information available.

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions Not

applicable. Will not polymerise.

### 10.4. Conditions to avoid

Avoid freezing. Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Materials to avoid

Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products No known

hazardous decomposition products.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects Acute toxicity - oral

ATE oral (mg/kg)

21,648.15749201

General information

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation

Vapour may irritate respiratory system/lungs.

Ingestion

May cause severe internal injury.

Skin contact

May cause serious chemical burns to the skin.

Eye contact

May cause blurred vision and serious eye damage.

Acute and chronic health hazards

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.

Route of entry

Inhalation Ingestion. Skin and/or eye contact

Target organs

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Eyes Gastro-intestinal tract Respiratory system, lungs Skin

Medical symptoms

Severe irritation, burning and tearing. Severe skin irritation. Gastrointestinal symptoms, including upset stomach.

Medical considerations Skin disorders and allergies.

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TETRASODIUM ETHYLENE DIAMINE TETRAACETATEToxicological information on ingredients.

## 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: Harmful

## Skin contact

Irritating to skin.

## Eye contact

Risk of serious damage to eyes.

Sodium Hydroxide Acute toxicity - oral

Acute toxicity oral (LD 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.

Alcohols C9-11, ethoxylated

## Toxicological effects

Acute Oral Toxicity: Harmful if swallowed. LD50 >300 - <=2000 mg/kg

Acute Dermal Toxicity: Expected to be of low toxicity. LD50 > 2000 mg/kg

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

2,000.0

Species

Rat

ATE oral (mg/kg)

2,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)

2000.0

Species Rat

**SECTION 12: Ecological Information**

## Ecotoxicity

Not classified as dangerous to the environment.

12.1. ToxicityEcological information on ingredients.

EC 50 156 mg/l (Eisenia foetida foetida) (14d (OECD 207))

>100 mg/l (daphnia magna) (EU Risk Assessment 2004)

EC 50 (24u) 532 mg/l (daphnia magna) (OECD 202)



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TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

LC 50 (96u) 532 mg/l (Lepomis macrochirus) (OECD 203)

Alkylamidopropylbetain Toxicity

to bacteria: EC0 : Dose: > 3000 mg/l calculated

Sodium Hydroxide

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)

Alcohols C9-11, ethoxylated

Acute Toxicity:

Fish: Expected to be toxic: LL/EL/IL50 1-10mg/l

Aquatic Invertebrates: Toxic: LL/EL/IL50 1-10mg/l

Algae: Expected to be toxic: LL/EL/IL50 1-10mg/l

Microorganisms: Expected to be practically non toxic: LL/EL/IL50 > 100mg/l

12.2. Persistence and degradability

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Persistence and degradability No further relevant information available.

Alkylamidopropylbetain

Persistence and degradability Biological degradability:

>80%

Testing period: 28d

The product is readily biodegradable according to OECD criteria.

Sodium Hydroxide

Persistence and degradability No further relevant information available.

Alcohols C9-11, ethoxylated

Persistence and degradability Readily biodegradable.

12.3. Bioaccumulative potential

Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

No further relevant information available.

Alkylamidopropylbetain

No data available on bioaccumulation.

Sodium Hydroxide

No further relevant information available.

Alcohols C9-11, ethoxylated

Bioaccumulation is unlikely to occur due to metabolism and excretion.

12.4. Mobility in soil

Ecological information on ingredients.

Mobility

No further relevant information available.

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TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Adsorption/desorption coefficient

COD-value: 260

BOD5-value: 50

Alkylamidopropylbetain

Mobility

No further relevant information available.

Sodium Hydroxide

Mobility

No further relevant information available.

Alcohols C9-11, ethoxylated

Mobility

If product enters soil, one or more constituents will be mobile and may contaminate groundwater. Dissolves in water. 12.5. Results of PBT and vPvB assessment Ecological information on ingredients.

TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Not applicable

Alkylamidopropylbetain

Not applicable

Sodium Hydroxide

Not applicable

Alcohols C9-11, ethoxylated

Not applicable

12.6. Other adverse effectsEcological information on ingredients.TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

Water hazard class 2 (German Regulation): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized. Danger to drinking water if even small quantities lead into the ground.

Alkylamidopropylbetain

Further ecological information: Chemical Oxygen Demand (COD): 1000000 mg/l Method: DIN 38409 T. 41 Remarks: The product is considered to be weak water pollutant (German law). Do not allow to enter soil, waterways or waste water canal. Ecological data refer to the main components.

Sodium Hydroxide

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.

Alcohols C9-11, ethoxylated

Not available.

SECTION 13: Disposal considerations13.1. 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.

Packaging: Recover and reclaim or recycle. If practical.

SECTION 14: Transport information

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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

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

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 Transport labels	8

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 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 MARPOL73/78 and the IBC Code

Not applicable.

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

## National regulations

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.

## EU legislation

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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### Guidance

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.

### Health and environmental listings

Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

### Water hazard classification

WGK 1

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

### General information

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.

Revision date                    09/03/2015

Revision                            1

### Risk phrases in full

R41 Risk of serious damage to eyes.

### Hazard statements in full

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H351 Suspected of causing cancer.

H412 Harmful to aquatic life with long lasting effects.

### Disclaimer

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 it's undiluted state and relates only to the specific material designated and may not be valid for such material used in

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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.