

# SAFETY DATA SHEET

## The Strong One - Super Strength TFR - A.C Commercials

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

#### 1.1. Product identifier

**Product name** The Strong One - Super Strength TFR - A.C Commercials

#### 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** A.C Commercials  
Unit 11, Blackstone Road,  
Meadows Industrial Estate,  
Stokeley, Huntingdon,  
Cambridgeshire, PE29 6EF.  
01480 411365

#### 1.4. Emergency telephone number

**Emergency telephone** As Above - Opening Hours 9 am - 4 pm (Monday - Friday)

### SECTION 2: Hazards identification

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

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

**Physical hazards** Not Classified

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

**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** C; R34

#### 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/ 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** Sodium Hydroxide

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

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**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

<b>TETRASODIUM ETHYLENE DIAMINE TETRAACETATE</b> <span style="float: right;"><b>5-10%</b></span>		
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> <span style="float: right;"><b>1-5%</b></span>		
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>Alkylamidopropylbetain</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: —		
<b>Classification</b> Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R41.	

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.

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

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<b>Ingestion</b>	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.
<b>Skin contact</b>	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.
<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>	Coughing, chest tightness, feeling of chest pressure.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. 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 blurred vision and serious eye damage. Severe irritation, burning and tearing.

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

**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. 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 2 mg/m<sup>3</sup>

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

#### SODIUM HYDROXIDE (CAS: 1310-73-2)

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### 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>

### 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	Liquid.
Colour	Red.
Odour	Characteristic.
pH	pH (concentrated solution): ~14
Relative density	~ 1.1
Solubility(ies)	Soluble in water.

### 9.2. Other information

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**Other information** No relevant information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** The following materials may react strongly with the product: Strong acids. Strong oxidising agents.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable. Will not polymerise.

#### 10.4. Conditions to avoid

**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

**Hazardous decomposition products** No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**ATE oral (mg/kg)** 83,472.45

##### Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)** 25.79

**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** 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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### 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

##### 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<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.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

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

#### Sodium Hydroxide

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<b>Toxicity</b>	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)

### Alkylamidopropylbetain

<b>Toxicity</b>	Toxicity to bacteria: EC0 : Dose: > 3000 mg/l calculated
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### 12.2. Persistence and degradability

#### Ecological information on ingredients.

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

<b>Persistence and degradability</b>	Result: 5% (activated sludge; 400mg/l; Related to: Dissolved organic carbon (DOC); Exposure Time: 28 d)(OECD Test Guideline 302B)
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Kinetic data: <1%; 3 h

### Sodium Hydroxide

<b>Persistence and degradability</b>	No further relevant information available.
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### Alkylamidopropylbetain

<b>Persistence and degradability</b>	Biological degradability: >80% Testing period: 28d The product is readily biodegradable according to OECD criteria.
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### 12.3. Bioaccumulative potential

#### Ecological information on ingredients.

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

<b>Bioaccumulative potential</b>	No further relevant information available.
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### Sodium Hydroxide

<b>Bioaccumulative potential</b>	No further relevant information available.
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### Alkylamidopropylbetain

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
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### 12.4. Mobility in soil

#### Ecological information on ingredients.

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

<b>Mobility</b>	No further relevant information available.
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<b>Adsorption/desorption coefficient</b>	COD-value: 260 BOD5-value: 50
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### Sodium Hydroxide

**Mobility** No further relevant information available.

### Alkylamidopropylbetain

**Mobility** No further relevant information available.

## 12.5. Results of PBT and vPvB assessment

### Ecological information on ingredients.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

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

### Sodium Hydroxide

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

### Alkylamidopropylbetain

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

## 12.6. Other adverse effects

### Ecological information on ingredients.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE

**Other adverse effects** 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.

### 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.

### Alkylamidopropylbetain

**Other adverse effects** 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.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

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

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**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

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

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Hazard Identification Number 80  
(ADR/RID)

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

**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).

**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).

### 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** 25/07/2016

**Revision** 1

**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.  
H332 Harmful if inhaled.  
H373 May cause damage to organs (Respiratory system, lungs) through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

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.