

## MATERIAL SAFETY DATA SHEET

### Acid Thickener 4AT

#### 1. IDENTIFICATION OF THE SUBSTANCE

##### 1.1. Product identifier

Product name:	Acid Thickener 4AT
Index number	0685
Product code:	AT4
Synonyms:	ACID THICKENING SYSTEM

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

Use of substance / mixture: Amphoteric surfactant

#### 2. HAZARDS IDENTIFICATION

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

Classification under CHIP: -	R10; Xi: R36/38
Most important adverse effects:	Flammable. Irritating to eyes and skin

##### 2.2. Label elements

Label elements under CHIP:

Risk phrases:	R10: Flammable. R36/38: Irritating to eyes and skin.
Safety phrases:	S16: Keep away from sources of ignition - No smoking. S28: After contact with skin, wash immediately with plenty of water. S24/25: Avoid contact with skin and eyes. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28: After contact with skin, wash immediately with plenty of water. S36: Wear suitable protective clothing. S51: Use only in well-ventilated areas.
2.3. Other hazards PBT:	This substance is not identified as a PBT substance

#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: BETAINES, BIS-(1,2-ETHANEDIOL) TALLOW DIMETHYL

EINECS	CAS	CHIP Classification	CLP Classification	Per cent
274-875-0	70750-46-8	Xi: R36/38	-	25-40%
PROPAN-2-OL 200-661-7	67-63-0	F: R11; Xi: R36; -: R67	-	5-15%

#### 4. FIRST AID MEASURES (SYMPTOMS)

##### 4.1. Description of first aid measures

Skin contact:	Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
Eye contact:	Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion:	Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible
Inhalation:	Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

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

Skin contact:	There may be irritation and redness at the site of contact. There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact
Eye contact:	There may be irritation and redness. The eyes may water profusely. Corneal burns may occur.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
Inhalation:	Nausea and stomach pain may occur. There may be vomiting. Drowsiness or mental confusion may occur. There may be loss of consciousness.

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

#### 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media Extinguishing media:	Water spray, alcohol or polymer foam. Dry chemical powder. Carbon dioxide. Use water spray to cool containers.
5.2. Special hazards arising from the substance or mixture Exposure hazards:	Flammable. In combustion emits toxic fumes.
5.3. Advice for fire-fighters Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

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

Personal precautions:	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Eliminate all sources of ignition.
6.2. Environmental precautions Environmental precautions:	Do not discharge into drains or rivers. Contain the spillage using bunding.
6.3. Methods and material for containment and cleaning up Clean-up procedures:	Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water
6.4. Reference to other sections	

## 7. HANDLING AND STORAGE

7.1. Precautions for safe handling Handling requirements:	Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden. Use non-sparking tools.
7.2. Conditions for safe storage, including any incompatibilities Storage conditions:	Store in cool, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed.
Suitable packaging:	Must only be kept in original packaging.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control parameters

Hazardous ingredients:

PROPAN-2-OL

Workplace exposure limits:			Respirable dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	999 mg/m <sup>3</sup>	1250 mg/m <sup>3</sup>	-	-

### 8.2. Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area
Respiratory protection:	Self-contained breathing apparatus must be available in case of emergency
Hand protection:	Protective gloves.
Eye protection:	Safety goggles.
Skin protection:	Protective clothing with elasticated cuffs and closed neck. Boots made of PVC

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

State:	Liquid
Colour:	Yellow
Odour:	Barely perceptible odour
Solubility in water:	Soluble

Kinematic visc. 40°C (mm <sup>2</sup> /s)	~1600cP
Boiling point/range°C:	>100
Melting point/range°C:	<10
Flash point°C:	47
Relative density:	1.03
pH	5.0-6.0(20%)

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

10.2. Chemical stability Chemical stability:	Stable under normal conditions
10.3. Possibility of hazardous reactions	
10.4. Conditions to avoid Conditions to avoid:	Sources of ignition. Will react with moisture sensitive materials
10.5. Incompatible materials	
10.6. Hazardous decomposition products	

## 11. TOXICOLOGICAL INFORMATION

Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated

Symptoms / routes of exposure

Skin contact:	There may be irritation and redness at the site of contact. There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely. Corneal burns may occur
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting
Inhalation:	Nausea and stomach pain may occur. There may be vomiting

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

12.2. Persistence and degradability Persistence and degradability:	The surfactants in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.
12.3. Bioaccumulative potential	
12.4. Mobility in soil Mobility:	Soluble in water
12.5. Results of PBT and vPvB assessment PBT identification:	This substance is not identified as a PBT substance
12.6. Other adverse effects	

## 13. DISPOSAL CONSIDERATIONS

Disposal operations:	In accordance with local and national regulations
----------------------	---

Disposal of packaging:	Dispose of as normal industrial waste
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

#### 14. TRANSPORT INFORMATION

14.1. UN number UN number:	UN1993
14.3. Transport hazard class(es) Transport class:	3
4.4. Packing group Packing group:	III
14.5. Environmental hazards Environmentally hazardous: Marine pollutant	No NO

#### 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Chemical safety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier
Note:	The regulatory information given above only indicates the principal regulations specifically Applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

#### 16. OTHER INFORMATION

Other information:	* This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010
Phrases used in s.2 and 3:	R10: Flammable. R11: Highly flammable. R36/38: Irritating to eyes and skin. R36: Irritating to eyes. R67: Vapours may cause drowsiness and dizziness
Legal disclaimer:	The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law