



## SAFETY DATA SHEET

### High Foam

#### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	High Foam
PRODUCT NO.	333
APPLICATION	Traffic Film Remover
SUPPLIER	Autosmart International Ltd Lynn Lane, Shenstone, nr Lichfield Staffordshire. WS14 0DH England www.autosmartinternational.com Tel: +44 (0) 1543 481616 (09:00 - 17:00) Fax: +44 (0) 1543 481549 (09:00 - 17:00) info@autosmartinternational.com
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#### 2 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

CLASSIFICATION (1999/45) Xi;R36/38.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
ALKYL DIMETHYLAMINE BETAINE	266-368-1	66455-29-6	1-5%	Xi;R38,R41.
ALKYLAMINE DICARBOXYLATE	290-476-8	90170-43-7	5-10%	Xi;R36.
SODIUM HYDROXIDE	215-185-5	1310-73-2	1-5%	C;R35
TRISODIUM NITRILOTRIACETATE	225-768-6	5064-31-3	1-5%	Carc. Cat. 3;R40 Xn;R22 Xi;R36

The Full Text for all R-Phrases is Displayed in Section 16

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

##### INGESTION

Remove victim immediately from source of exposure. Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

##### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Rinse the skin immediately with lots of water. Use suitable lotion to moisturise skin. Get medical attention if irritation persists after washing.

##### EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

##### UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

## High Foam

### SPECIFIC HAZARDS

Oxides of: Carbon. Nitrogen.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

For personal protection, see section 8.

#### ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses. To prevent release, place container with damaged side up.

#### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Stop leak if possible without risk. Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Flush to sewer if local regulations permit.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

#### STORAGE CLASS

Chemical storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
SODIUM HYDROXIDE	WEL		2 mg/m3	

WEL = Workplace Exposure Limit.

#### PROTECTIVE EQUIPMENT



#### PROCESS CONDITIONS

Provide eyewash station.

#### ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

#### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

#### HAND PROTECTION

Use protective gloves made of: Polyvinyl chloride (PVC). Rubber (natural, latex). The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

#### EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

#### OTHER PROTECTION

Provide eyewash station.

#### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Light (or pale)
ODOUR	Odourless
SOLUBILITY	Soluble in water. Miscible with water

## High Foam

BOILING POINT (°C)	~ 100
MELTING POINT (°C)	~ 0
RELATIVE DENSITY	~ 1.049 @ 20 °c
pH-VALUE, CONC. SOLUTION	~ 12
VOLATILE ORGANIC COMPOUND (VOC)	0 g/litre

### 10 STABILITY AND REACTIVITY

#### STABILITY

Stable under normal temperature conditions.

#### CONDITIONS TO AVOID

Avoid contact with acids. Reacts strongly with concentrated acids and chloro-hydrocarbons.

#### HAZARDOUS POLYMERISATION

Will not polymerise.

#### HAZARDOUS DECOMPOSITION PRODUCTS

No specific hazardous decomposition products noted.

### 11 TOXICOLOGICAL INFORMATION

#### GENERAL INFORMATION

This product has low toxicity. Only large volumes may have adverse impact on human health.

#### INHALATION

May cause irritation to the respiratory system.

#### INGESTION

May cause discomfort if swallowed.

#### SKIN CONTACT

Irritating to skin.

#### EYE CONTACT

Irritating to eyes.

#### HEALTH WARNINGS

Serious long-term effects are not known to be related to this type of product.

#### ROUTE OF ENTRY

Ingestion. Skin and/or eye contact.

#### MEDICAL SYMPTOMS

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Name	SODIUM HYDROXIDE
Toxic Dose 1 - LD 50	40 mg/kg (oral-mouse)

#### Other Health Effects

This substance has no evidence of carcinogenic properties.

Name	TRISODIUM NITRILOTRIACETATE
Toxic Dose 1 - LD 50	1000-2000 mg/kg (oral rat)

#### Toxicological Information

Nitrilotriacetic acid, trisodium salt (NTA) has caused kidney tumours in rats and mice when administered orally in high concentrations. The tumours are based on organ damage that can only occur when extremely high threshold limit concentrations, as compared with possible human exposure, are exceeded. In view of the potential degree of exposure, there should be no cancer risk to humans.

Name	ALKYL DIMETHYLAMINE BETAINE
Toxic Dose 1 - LD 50	>2000 mg/kg (oral rat)

Name	ALKYLAMINE DICARBOXYLATE
Toxic Dose 1 - LD 50	>5000 mg/kg (oral rat)

### 12 ECOLOGICAL INFORMATION

#### ECOTOXICITY

No negative effects on the aquatic environment are known. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product is not expected to be hazardous to waste water treatment processes. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

#### MOBILITY

The product is soluble in water.

## High Foam

### BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

### DEGRADABILITY

The surfactant(s) contained in this preparation complies(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. The product is biodegradable, but it must not be discharged into drains without permission from the authorities.

### WATER HAZARD CLASSIFICATION

#### WGK 0

Name SODIUM HYDROXIDE  
LC 50, 96 Hrs, Fish mg/l 125

#### Mobility

The product is soluble in water.

#### Bioaccumulative Potential

The product is not bioaccumulating.

#### Degradability

The product is biodegradable.

Name TRISODIUM NITRILOTRIACETATE

LC 50, 96 Hrs, Fish mg/l 114-470

EC 50, 48 Hrs, Daphnia, mg/l 560-1,000

IC 50, 72 Hrs, Algae, mg/l 180-320

#### Mobility

The product is soluble in water.

#### Bioaccumulative Potential

The product does not contain any substances expected to be bioaccumulating.

#### Degradability

The product is biodegradable.

Name ALKYL DIMETHYLAMINE BETAINE

#### Mobility

The product is soluble in water.

#### Bioaccumulative Potential

The product does not contain any substances expected to be bioaccumulating.

#### Degradability

The product is biodegradable.

Name ALKYLAMINE DICARBOXYLATE

EC 50, 48 Hrs, Daphnia, mg/l 97

#### Mobility

The product is soluble in water.

#### Bioaccumulative Potential

The product is not bioaccumulating.

#### Degradability

The product is biodegradable.

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

The packaging must be empty (drop-free, when inverted)

### DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

## 14 TRANSPORT INFORMATION



PROPER SHIPPING NAME

CAUSTIC ALKALI LIQUID, N.O.S. (Sodium Nitrilotriacetate)

UN NO. ROAD

1719

**High Foam**

ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III
TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80
ADR LABEL NO.	8
HAZCHEM CODE	2R
UN NO. SEA	1719
IMDG CLASS	8
IMDG PACK GR.	III
EMS	F-A, S-B
IMDG CODE SEGREGATION GROUP	18. Alkalis
UN NO. AIR	1719
AIR CLASS	8
AIR PACK GR.	III

**15 REGULATORY INFORMATION**

## LABELLING



Irritant

## RISK PHRASES

R36/38 Irritating to eyes and skin.

## SAFETY PHRASES

S23 Do not breathe vapour/spray.  
 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.  
 S37 Wear suitable gloves.  
 S51 Use only in well-ventilated areas.  
 S35 This material and its container must be disposed of in a safe way.

## Detergent Labelling:

5 - < 15% Amphoteric surfactants  
 < 5% NTA (nitrilotriacetic acid) and salts thereof

## EU DIRECTIVES

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

## STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

## APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

## GUIDANCE NOTES

Workplace Exposure Limits EH40.

## 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.

**16 OTHER INFORMATION**

## GENERAL INFORMATION

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.  
 Only trained personnel should use this material.

## High Foam

### REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE 04/02/2011

REV. NO./REPL. SDS GENERATED 4

### RISK PHRASES IN FULL

R35	Causes severe burns.
R22	Harmful if swallowed.
R36	Irritating to eyes.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.

### DISCLAIMER

This information 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. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.