



## SAFETY DATA SHEET

### Triple

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

PRODUCT NAME	Triple
PRODUCT NO.	089-29
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

Causes severe burns.

CLASSIFICATION (1999/45) C;R35.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
2-BUTOXYETHANOL	203-905-0	111-76-2	< 1%	Xn;R20/21/22 Xi;R36/38
3-Lauramidopropyl trimethyl ammonium methyl sulfate	234-204-8	10595-49-0	< 1%	Xn;R22. Xi;R36. R43.
ALKYLAMINE DICARBOXYLATE	290-476-8	90170-43-7	1-5%	Xi;R36.
C9-11 Alcohol 6EO		68439-46-3	1-5%	Xn;R22. Xi;R41.
SODIUM HYDROXIDE	215-185-5	1310-73-2	5-10%	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

##### NOTES TO THE PHYSICIAN

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

##### INHALATION

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

##### INGESTION

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. Wash the skin immediately with soap and water. 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.

**Triple****5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

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

**SPECIAL FIRE FIGHTING PROCEDURES**

No specific fire fighting procedure given.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

No unusual fire or explosion hazards noted.

**SPECIFIC HAZARDS**

The product is non-combustible. If heated, toxic vapours may be formed.

**PROTECTIVE MEASURES IN FIRE**

Severe corrosive hazard. Wear chemical protection suit.

**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. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. 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. Read and follow manufacturer's recommendations. Eye wash facilities and emergency shower must be available when handling this product.

**STORAGE PRECAUTIONS**

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

**STORAGE CLASS**

Corrosive storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-BUTOXYETHANOL	WEL	25 ppm		50 ppm		Sk
SODIUM HYDROXIDE	WEL				2 mg/m3	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

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

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### EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

### OTHER PROTECTION

Provide eyewash station. Wear appropriate clothing to prevent any possibility of skin contact.

### 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. Use appropriate hand lotion to prevent defatting and cracking of skin. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

### SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Light (or pale) Straw
ODOUR	Mild (or faint).
SOLUBILITY	Soluble in water. Miscible with water
BOILING POINT (°C)	~ 100
MELTING POINT (°C)	~ 0
RELATIVE DENSITY	~ 1.090 (20°C)
pH-VALUE, CONC. SOLUTION	13
pH-VALUE, DILUTED SOLUTION	11.5 @ 1%
VOLATILE ORGANIC COMPOUND (VOC)	6 g/litre

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### CONDITIONS TO AVOID

The solution is strongly alkaline and reacts with strong acids with heat generation.

### HAZARDOUS POLYMERISATION

Will not polymerise.

### MATERIALS TO AVOID

Strong oxidising substances. Strong acids.

### HAZARDOUS DECOMPOSITION PRODUCTS

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

## 11 TOXICOLOGICAL INFORMATION

### GENERAL INFORMATION

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

### INHALATION

Not relevant at normal room temperatures. When heated, corrosive vapours may be formed.

### INGESTION

Causes burns.

### SKIN CONTACT

Causes burns.

### EYE CONTACT

Causes burns.

### HEALTH WARNINGS

This chemical may cause skin/eye irritation and burns (corrosive). This substance is corrosive. May cause sensitisation by skin contact.

### ROUTE OF ENTRY

Ingestion.

### MEDICAL SYMPTOMS

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

Name	2-BUTOXYETHANOL
Toxic Dose 1 - LD 50	1480 mg/kg (oral rat)
Toxic Dose 2 - LD 50	220 mg/kg (ipr-rat)
Toxic Conc. - LC 50	450 ppm/4h (inh-rat)

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### Other Health Effects

#### ACGIH Carcinogen List.

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 C9-11 Alcohol 6EO  
Toxic Dose 1 - LD 50 2000 mg/kg (oral rat)  
Toxic Conc. - LC 50 5 mg/l/4h (inh-rat)  
Name ALKYLAMINE DICARBOXYLATE

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product is not expected to be hazardous to the environment. The product is not expected to be hazardous to waste water treatment processes. 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 may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

### MOBILITY

The product is water soluble and may spread in water systems.

### 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 2

**Triple**

Name	2-BUTOXYETHANOL
LC 50, 96 Hrs, Fish mg/l	1395-1575
EC 50, 48 Hrs, Daphnia, mg/l	1815
IC 50, 72 Hrs, Algae, mg/l	>500

**Mobility**

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

**Bioaccumulative Potential**

The product is not bioaccumulating.

**Degradability**

The product is biodegradable.

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

The product is soluble in water.

**Bioaccumulative Potential**

The product is not bioaccumulating.

**Degradability**

The product is biodegradable.

Name	TRISODIUM NITRILOTRIACETATE
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LC 50, 96 Hrs, Fish mg/l	114-470
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EC 50, 48 Hrs, Daphnia, mg/l	560-1,000
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IC 50, 72 Hrs, Algae, mg/l	180-320
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**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	C9-11 Alcohol 6EO
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LC 50, 96 Hrs, Fish mg/l	10
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EC 50, 48 Hrs, Daphnia, mg/l	10
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IC 50, 72 Hrs, Algae, mg/l	10
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**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
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EC 50, 48 Hrs, Daphnia, mg/l	97
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**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**

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PROPER SHIPPING NAME	SODIUM HYDROXIDE SOLUTION
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO. ROAD	1824
ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II
TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80
ADR LABEL NO.	8
HAZCHEM CODE	2R
UN NO. SEA	1824
IMDG CLASS	8
IMDG PACK GR.	II
EMS	F-A, S-B
IMDG CODE SEGREGATION GROUP	18. Alkalis
UN NO. AIR	1824
AIR CLASS	8
AIR PACK GR.	II

### 15 REGULATORY INFORMATION

#### LABELLING



Corrosive

CONTAINS SODIUM HYDROXIDE

#### RISK PHRASES

R35 Causes severe burns.

#### SAFETY PHRASES

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.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

P14 Contains 3-Lauramidopropyl trimethyl ammonium methyl sulfate. May produce an allergic reaction.

#### Detergent Labelling:

< 5% NTA (nitrilotriacetic acid) and salts thereof  
Amphoteric surfactants  
Non-ionic surfactants  
Cationic surfactants

Contains COCOALKONIUM CHLORIDE

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### 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.

### 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.

### REVISION COMMENTS

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

REVISION DATE 07/02/2011

REV. NO./REPL. SDS GENERATED 9

### RISK PHRASES IN FULL

R35	Causes severe burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R22	Harmful if swallowed.
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R40	Limited evidence of a carcinogenic effect.
R43	May cause sensitisation by skin contact.
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.