



SAFETY DATA SHEET
Compact

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name Compact
Product No. 111-21

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

Identified uses Traffic Film Remover

1.3. Details of the supplier of the safety data sheet

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
Contact Person Mr. Russell Butler

1.4. Emergency telephone number

Mob: +44 (0) 7808 971321 (24hrs)
Tel: +44 (0) 1543 481616 (09:00 - 17:00)
Fax: +44 (0) 1543 481549 (09:00 - 17:00)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) C;R35. R52/53.

2.2. Label elements

Contains: SODIUM HYDROXIDE
Detergent Labelling:
5 - < 15% Amphoteric surfactants
< 5% NTA (nitrilotriacetic acid) and salts thereof
Cationic surfactants

Labelling



Corrosive

Risk Phrases

R35 Causes severe burns.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

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S35

This material and its container must be disposed of in a safe way.

2.3. Other hazards

This product does not contain any PBT or vPvB Substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures**

| | | |
|---|---|-------|
| SODIUM HYDROXIDE | | 5-10% |
| CAS-No.: 1310-73-2 | EC No.: 215-185-5 | |
| Classification (EC 1272/2008) Skin Corr. 1A - H314 | Classification (67/548/EEC) C;R35 | |
| ALKYL DIMETHYLAMINE BETAINE | | 5-10% |
| CAS-No.: 66455-29-6 | EC No.: 266-368-1 | |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318 | Classification (67/548/EEC) Xi;R38,R41. | |
| TRISODIUM NITRILOTRIACETATE | | 1-5% |
| CAS-No.: 5064-31-3 | EC No.: 225-768-6 | |
| Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Carc. 2 - H351 | Classification (67/548/EEC) Carc. Cat. 3;R40 Xn;R22 Xi;R36 | |
| QUARTERNARY COCO ALKYLAMINE ETHOXYLATE | | 1-5% |
| CAS-No.: 68989-03-7 | EC No.: | |
| Classification (EC 1272/2008) Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411 | Classification (67/548/EEC) Xi;R36. N;R51/53. | |

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

SECTION 4: FIRST AID MEASURES**4.1. Description of 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

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. Continue to rinse for at least 15 minutes. Make sure to remove any contact lenses from the eyes before rinsing.

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

General Information

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

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Inhalation.

Coughing, chest tightness, feeling of chest pressure.

Ingestion

May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin Contact

Prolonged contact may cause redness, irritation and dry skin. Burning pain and severe corrosive skin damage.

Eye Contact

May cause blurred vision and serious eye damage. Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

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!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing Media

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

5.2. Special hazards arising from the substance or mixture

Hazardous Combustion Products

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

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific Hazards

Oxides of: Carbon. Nitrogen.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

Protective Measures In Fire

Face mask, protective gloves and safety helmet. Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses.

6.3. Methods and material for containment and cleaning up

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.

6.4. 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

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.

7.2. Conditions for safe storage, including any incompatibilities

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

Storage Class

Corrosive storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1. Control parameters

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|------------------|-----|-------------|--|---------------|---------------------|-------|
| SODIUM HYDROXIDE | WEL | | | | 2 mg/m ³ | |

WEL = Workplace Exposure Limit.

8.2. Exposure controls

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. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

Hand Protection

Protective gloves should be used if there is a risk of direct contact or splash. Use protective gloves made of: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. 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 approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact. 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. Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------------------------|
| Appearance | Liquid |
| Colour | Brown |
| Odour | Mild (or faint). |
| Solubility | Soluble in water. Miscible with water |
| Initial Boiling Point and Boiling Range: | ~ 100 760 mm Hg |
| Melting Point (°C) | ~ 0 |
| Relative Density | ~ 1.180 @ 20 °c |
| Vapour Density (Air=1) | Not applicable. |
| Vapour Pressure | Not applicable. |
| Evaporation Rate | Not available. |
| pH-Value, Conc. Solution | 13-14 |
| Viscosity | 1 cSt |
| Decomposition Temperature (°C) | Not available. |
| Odour Threshold, Lower | Not available. |
| Odour Threshold, Upper | Not available. |

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Flash Point (°C)

Not applicable.

Auto Ignition Temperature (°C)

Not applicable.

Flammability Limit - Lower(%)

Not applicable.

Flammability Limit - Upper(%)

Not applicable.

Partition Coefficient

(N-Octanol/Water)

Not available.

Oxidising Properties

Not applicable.

Comments

Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information

Volatile Organic Compound (VOC) 0 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid contact with acids.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong acids.

10.6. Hazardous decomposition products

No specific hazardous decomposition products noted.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Skin Corrosion/Irritation - Animal Data

Scientifically unjustified.

Skin Corrosion/Irritation - Human Skin Model Test

Scientifically unjustified.

Skin Corrosion/Irritation - Extreme ≥ 11.5

pH

Corrosive

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. May cause stomach pain or vomiting. Corrosive. Even small amounts may cause serious damage.

Skin Contact

Corrosive. Prolonged contact causes serious tissue damage.

Eye Contact

Risk of serious damage to eyes.

Route of entry

Ingestion. Skin and/or eye contact.

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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)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

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. The product contains a substance which is harmful to aquatic organisms.

12.1. Toxicity

Acute Toxicity - Fish

Not determined.

Acute Toxicity - Aquatic Invertebrates

Not determined.

Acute Toxicity - Aquatic Plants

Not determined.

Acute Toxicity - Microorganisms

Not determined.

Acute Toxicity - Terrestrial

Not determined.

12.2. Persistence and degradability

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.

12.3. Bioaccumulative potential

Bioaccumulative Potential:

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

12.6. Other adverse effects

Not applicable.

Compact**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 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.

SECTION 13: DISPOSAL CONSIDERATIONS**General Information**

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

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number**

UN No. (ADR/RID/ADN) 1824

UN No. (IMDG) 1824

UN No. (ICAO) 1824

14.2 UN Proper shipping name

Proper Shipping Name SODIUM HYDROXIDE SOLUTION

14.3 Transport hazard class(es)

ADR/RID/ADN Class 8

ADR/RID/ADN Class Class 8: Corrosive substances.

ADR Label No. 8

IMDG Class 8

ICAO Class/Division 8

Transport Labels**14.4. Packing group**

ADR/RID/ADN Packing group II

IMDG Packing group II

ICAO Packing group II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

IMDG Code Segregation Group 18. Alkalis

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| | |
|-------------------------|----------|
| EMS | F-A, S-B |
| Emergency Action Code | 2R |
| Hazard No. (ADR) | 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**

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.

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), 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.

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.

Health And Environmental Listings

Regulation EC 689/2008 concerning the export and import of dangerous chemicals.

Water Hazard Classification

WGK 2

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General Information

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

Revision Comments

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

Revision Date 21/02/2011

Revision 4

Supersedes Date 08/02/2011

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. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

Hazard Statements In Full

| | |
|------|--|
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H302 | Harmful if swallowed. |
| H351 | Suspected of causing cancer. |
| H411 | Toxic to aquatic life with long lasting effects. |

Compact

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.