



SAFETY DATA SHEET

Tardis

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

PRODUCT NAME	Tardis
PRODUCT NO.	023-14
APPLICATION	Cleaning agent
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
EMERGENCY TELEPHONE	Mob: +44 (0) 7808 971321 (24hrs) Tel: +44 (0) 1543 481616 (09:00 - 17:00) Fax: +44 (0) 1543 481549 (09:00 - 17:00)

2 HAZARDS IDENTIFICATION

Flammable. Irritating to skin. Harmful by inhalation and in contact with skin. Harmful: may cause lung damage if swallowed.

CLASSIFICATION (1999/45) Xn;R20/21, R65. Xi;R38. R10.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
COCONUT DIETHANOLAMIDE	271-657-0	68603-42-9	1-5%	Xi;R38,R41.
Naphtha (petroleum),hydrotreated heavy	265-150-3	64742-48-9	30-60%	Xn;R65. R10,R66.
XYLENE	215-535-7	1330-20-7	30-60%	R10 Xn;R20/21 Xi;R38

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

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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

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

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc. Carbon dioxide (CO2).

Tardis

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

PROTECTIVE MEASURES IN FIRE

Wear full protective clothing.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. 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. Do not contaminate water sources or sewer. Clean-up personnel should use respiratory and/or liquid contact protection.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. During application and drying, solvent vapours will be emitted.

STORAGE PRECAUTIONS

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
Naphtha (petroleum),hydrotreated heavy	WEL		1000 mg/m ³			
XYLENE	WEL	50 ppm	220 mg/m ³	100 ppm	441 mg/m ³	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

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

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with: Gas cartridge suitable for organic substances. 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: Nitrile. 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

Provide eyewash station.

Tardis

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 with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear Liquid		
COLOUR	Clear		
ODOUR	Solvent.		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	~ 135	MELTING POINT (°C)	< -20
RELATIVE DENSITY	~ 0.815 (20°C)	VAPOUR DENSITY (air=1)	> 1
EVAPORATION RATE	< 1 BuAc=1	FLASH POINT (°C)	~ 25 CC (Closed cup).
VOLATILE ORGANIC COMPOUND (VOC)	806 g/litre		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid contact with acids and oxidising substances. Avoid heat, flames and other sources of ignition.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

No data recorded.

GENERAL INFORMATION

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION

Harmful by inhalation. Vapours may cause headache, fatigue, dizziness and nausea.

INGESTION

Harmful: may cause lung damage if swallowed.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

ROUTE OF ENTRY

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

TARGET ORGANS

Blood Central nervous system Eyes Gastro-intestinal tract Kidneys Liver Respiratory system, lungs

MEDICAL SYMPTOMS

Skin contact may cause: Skin irritation. Allergic rash. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting. Irritation of eyes and mucous membranes. Ingestion may cause: Severe abdominal pain. Nausea, vomiting. If swallowed, especially in large quantities: Unconsciousness, possibly death.

Name	XYLENE
Toxic Dose 1 - LD 50	4300 mg/kg (oral rat)
Name	COCONUT DIETHANOLAMIDE
Toxic Dose 1 - LD 50	12400 mg/kg (oral rat)
Name	Naphtha (petroleum),hydrotreated heavy
Toxic Dose 1 - LD 50	3160 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION

Tardis**ECOTOXICITY**

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.

MOBILITY

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

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. Volatile substances are degraded in the atmosphere within a few days.

WATER HAZARD CLASSIFICATION**WGK 2**

Name	XYLENE
LC 50, 96 Hrs, FISH mg/l	8.4
EC 50, 48 Hrs, DAPHNIA, mg/l	4.7

Mobility

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

Bioaccumulation potential

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

Degradability

Volatile substances are degraded in the atmosphere within a few days.

Name	COCONUT DIETHANOLAMIDE
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Ecotoxicity

The product is mildly toxic to aquatic organisms.

LC 50, 96 Hrs, FISH mg/l	4
EC 50, 48 Hrs, DAPHNIA, mg/l	2.39

Bioaccumulation potential

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

Degradability

The product is biodegradable.

Name	Naphtha (petroleum),hydrotreated heavy
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Ecotoxicity

The product is not expected to be toxic to aquatic organisms.

Mobility

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

Bioaccumulation potential

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

Degradability

Volatile substances are degraded in the atmosphere within a few days.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. The packaging must be empty (drop-free, when inverted)

DISPOSAL METHODS

Do not allow runoff to sewer, waterway or ground. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS

3

PROPER SHIPPING NAME

FLAMMABLE LIQUID, N.O.S. (WHITE SPIRIT, XYLENE)

Tardis

UN NO. ROAD	1993	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZARD No. (ADR)	30
ADR LABEL NO.	3	HAZCHEM CODE	3YE
CEPIC TEC(R) NO.	30GF1-III, 30GF1-sp	RID CLASS NO.	3
RID PACK GROUP	III	UN NO. SEA	1993
IMDG CLASS	3	IMDG PAGE NO.	95 (vol 2)
IMDG PACK GR.	III	EMS	F-E, S-E
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1993	AIR CLASS	3
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

Naphtha (petroleum),hydrotreated heavy
XYLENE

RISK PHRASES

R10 Flammable.
R38 Irritating to skin.
R20/21 Harmful by inhalation and in contact with skin.
R65 Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S23 Do not breathe vapour/spray.
S24 Avoid contact with skin.
S36/37 Wear suitable protective clothing and gloves.
S51 Use only in well-ventilated areas.
S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S35 This material and its container must be disposed of in a safe way.

DETERGENT LABELLING

>= 30% Aromatic hydrocarbons
< 5% Non-ionic surfactants

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.

Tardis

REVISION DATE 30/09/2010

REV. NO./REPL. SDS GENERATED 5

RISK PHRASES IN FULL

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R65	Harmful: may cause lung damage if swallowed.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
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.