



SAFETY DATA SHEET

Pan Dandy

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Pan Dandy
Product number 045-33

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

Identified uses Washing up Liquid
Uses advised against This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

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

Manufacturer

1.4. Emergency telephone number

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)

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

The NHS 111 service will also be available via the harmonised European number for medical advice 116 117

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Not Classified

Health hazards

Elicitation - EUH208

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

Environmental

The product is not expected to be hazardous to the environment.

Physicochemical

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Not considered to be a significant hazard due to the small quantities used.

2.2. Label elements

Hazard statements

EUH208 Contains Reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Precautionary statements

EUH210 Safety data sheet available on request.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P280 Wear protective gloves.

Detergent labelling

15 - < 30% anionic surfactants, < 5% perfumes, < 5% phosphates, Contains TETRAMETHYLOLGLYCOLURIL, Reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), Formaldehyde

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts	2-5%
CAS number: 68891-38-3 EC number: 500-234-8 REACH registration number: 01-2119488639-16-xxxx	
Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Xi;R38,R41.
Eye Irrit. 2 - H319	

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact

Rinse with water. Get medical attention if any discomfort continues.

Eye contact

Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Remove any contact lenses and open eyelids wide apart.

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

General information

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

Inhalation

No specific symptoms known.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

No specific symptoms known.

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

Notes for the doctor

No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Oxides of the following substances: Carbon. Nitrogen. No unusual fire or explosion hazards noted.

Hazardous combustion products

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

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery. Avoid the spillage or runoff entering drains, sewers or watercourses. Flush away spillage with plenty of water.

6.4. Reference to other sections

Reference to other sections

For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

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

Storage class

Chemical storage.

7.3. Specific end use(s)

Specific end use(s)

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

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ingredient comments

No exposure limits known for ingredient(s).

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts (CAS: 68891-38-3)

Ingredient comments

No exposure limits known for ingredient(s).

DNEL Professional - Oral; : 2750 mg/kg/day

PNEC - Fresh water; 0.240 mg/l

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8.2. Exposure controls

Protective equipment



Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Not relevant.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly 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.

Respiratory protection

Respiratory protection not required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Viscous liquid. Liquid.

Colour

Green.

Odour

Pleasant, agreeable.

Odour threshold

Not available. Not available.

pH

pH (concentrated solution): ~ 7.0 pH (diluted solution): ~ 7.0 @ 1%

Melting point

~ 0°C

Initial boiling point and range

~ 100°C @ 760 mm Hg

Flash point

Not applicable.

Evaporation rate

Not available.

Upper/lower flammability or explosive limits

Not applicable. : :

Vapour pressure

Not applicable.

Vapour density

Not applicable.

Relative density

~ 1.043 @ (20°C)°C

Solubility(ies)

Soluble in water. Miscible with water.

Partition coefficient

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Not available.

Auto-ignition temperature

Not applicable.

Decomposition Temperature

Not available.

Viscosity

450 cP @ °C

Oxidising properties

Not applicable.

Comments

Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information

Volatile organic compound

This product contains a maximum VOC content of 0 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not applicable. Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid freezing.

10.5. Incompatible materials

Materials to avoid

Strong alkalis. Strong acids.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Human skin model test

Scientifically unjustified.

Extreme pH

Moderate pH (> 2 and < 11.5). Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve. Not irritating.

General information

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation

No specific health hazards known.

Ingestion

May cause discomfort if swallowed.

Skin contact

May cause defatting of the skin but is not an irritant.

Eye contact

No specific health hazards known.

Acute and chronic health hazards

Because of the product's quantity and composition, the health hazard is regarded as low. No specific long-term effects known.

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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.

Toxicological information on ingredients.

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)

2,001.0

Species

Rat

ATE oral (mg/kg)

2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)

2001.0

Species

Rat

ATE dermal (mg/kg)

2001.0

Skin sensitisation

Not sensitising.

SECTION 12: Ecological Information

Ecotoxicity

Not regarded as dangerous for the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product may contribute to an excessive enrichment of the aquatic environment with nutrients. The product does not contain organically bound halogen. The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days.

Ecological information on ingredients.

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts

Ecotoxicity

The product is not expected to be hazardous to the environment.

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.

Ecological information on ingredients.

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts

Acute toxicity - fish

LC50, ~: ~ 7.1 mg/l,

Acute toxicity - aquatic invertebrates

EC , ~: ~ 1 - 10 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC , ~: ~ 10 - 100 mg/l, Freshwater algae

12.2. Persistence and degradability

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Persistence and degradability

The product is biodegradable. The surfactant(s) contained in this product 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.

Chemical oxygen demand

~ 418621 mg O₂/l

Ecological information on ingredients.

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts

Persistence and degradability

The product is biodegradable.

12.3. Bioaccumulative potential

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

Partition coefficient

Not available.

Ecological information on ingredients.

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts

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

12.4. Mobility in soil

Mobility

The product is soluble in water.

Ecological information on ingredients.

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts

Mobility

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Alcohols, C12-C14, ethoxylated, sulfates, sodium salts

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

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

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Packaging: Reuse or recycle products wherever possible.

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

UN No. (IMDG)

UN No. (ICAO)

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

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Not applicable.

ADR/RID class

ADR/RID subsidiary risk

ADR/RID label

IMDG class

IMDG subsidiary risk

ICAO class/division

ICAO subsidiary risk

Transport labels

14.4. Packing group

Not applicable.

ADR/RID packing group

IMDG packing group

ICAO packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

EmS

Emergency Action Code

**Hazard Identification Number
(ADR/RID)**

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

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.

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) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

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

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

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Revision date	15/10/2014
Revision	11
Supersedes date	22/02/2013
SDS status	Approved.
Risk phrases in full	NC Not classified. R38 Irritating to skin. R41 Risk of serious damage to eyes.
Hazard statements in full	EUH208 Contains Reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. H315 Causes skin irritation. H319 Causes serious eye irritation.

Disclaimer

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