Revision: 1 Issued 01.01.2025

## SAFETY DATA SHEET

Manufactured in the UK

# Hints - 2 in 1 Starch/Easy Iron



According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

#### 1.1. Product identifier

**Product name** Hints - 2 in 1 Starch/Easy Iron

Container size 300mL

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

**Identified uses** For use when ironing

**Uses advised against** Use only for intended applications.

## 1.3. Details of the supplier of the safety data sheet

Supplier Keen-Newport Group Ltd

Unit 31 Kingfisher Court

Hambridge Road

Berkshire RG14 5SJ

### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1635 34600 (Mon-Fri 08:00-17:00)

#### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards Not Classified

Environmental hazards Not Classified

### 2.2. Label elements

## **Pictogram**



Signal word Danger

**Hazard statements** H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

**Precautionary statements** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding

50° C/122° F.

#### 2.3. Other hazards

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

#### SECTION 3: Composition/information on ingredients

Manufactured in the UK

# Hints - 2 in 1 Starch/Easy Iron

#### 3.2. Mixtures

butane 5-10%

CAS number: 106-97-8 EC number: 203-448-7 REACH registration number: 01-

2119474691-32-XXXX

Contains no other substances or impurities which will influence the classification of the product.

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

Flam. Gas 1 - H220 F+; R12. Extremely flammable.

Press. Gas (Liq.) - H280

isobutane 1-5%

CAS number: 75-28-5 EC number: 200-857-2 REACH registration number: 01-

2119485395-27-0000

Contains no other substances or impurities which will influence the classification of the product.

Classification Classification (67/548/EEC or

Flam. Gas 1 - H220 **1999/45/EC)** F+; R12. Extremely

Press. Gas (Liq.) - H280 flammable.

propane 1-5%

CAS number: 74-98-6 EC number: 200-827-9 REACH registration number: 01-

2113486944-21-0000

Contains no other substances or impurities which will influence the classification of the product.

Classification Classification (67/548/EEC or

Flam. Gas 1 - H220 1999/45/EC) F+; R12. Extremely

Press. Gas (Liq.) - H280 flammable.

disodium tetraborate decahydrate <1%

CAS number: 1303-96-4 EC number: 215-540-4

Classification

Eye Irrit. 2 - H319 Repr. 1B - H360FD

sodium nitrite <1%

CAS number: 7632-00-0 EC number: 231-555-9

M factor (Acute) = 1

Classification
Ox. Sol. 3 - H272

Acute Tox. 3 - H301

Aquatic Acute 1 - H400

Decamethylcyclopentasiloxane <1%

CAS number: 541-02-6 EC number: 208-764-9

Manufactured in the UK

## Hints - 2 in 1 Starch/Easy Iron

#### Classification

Not Classified

octamethylcyclotetrasiloxane

<1%

CAS number: 556-67-2

EC number: 209-136-7

#### Classification

Flam. Liq. 3 - H226 Repr. 2 - H361f

Aquatic Chronic 4 - H413

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

General information If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical

personnel.

**Inhalation** Move affected person to fresh air and keep warm and at rest in a position comfortable

for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if

symptoms are severe or persist.

Ingestion Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do

not induce vomiting unless under the direction of medical personnel.

**Skin contact** Rinse with water.

**Eye contact** Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical

attention if any discomfort continues.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

#### 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** Spray/mists may cause respiratory tract irritation.

**Ingestion** Due to the physical nature of this product, it is unlikely that ingestion will occur.

**Skin contact** Repeated exposure may cause skin dryness or cracking.

**Eye contact** May be slightly irritating to eyes. May cause discomfort.

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

## **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

Suitable extinguishing media The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry

powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing

Do not use water jet as an extinguisher, as this will spread the fire.

media

Manufactured in the UK

## Hints - 2 in 1 Starch/Easy Iron

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-

> up. Bursting aerosol containers may be propelled from a fire at high speed. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents

and propellant. Vapours may form explosive mixtures with air.

Hazardous combustion

products

Thermal decomposition or combustion products may include the following substances:

Harmful gases or vapours.

5.3. Advice for firefighters

Protective actions during

firefighting

Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk

of water pollution occurs, notify appropriate authorities.

Special protective

equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469

(including helmets, protective boots and gloves) will provide a basic level of protection for

chemical incidents.

### **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Risk of explosion. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.

#### 6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Under normal conditions of handling and storage, spillages from aerosol containers are unlikely. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

## 6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SAFETY DATA SHEET

Manufactured in the UK

## Hints - 2 in 1 Starch/Easy Iron

#### SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as

described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Avoid exposing aerosol containers to high temperatures or direct sunlight. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Avoid contact with eyes. Avoid

inhalation of vapours and spray/mists.

Advice on general Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash

**occupational hygiene** contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store away from incompatible materials (see Section 10). Keep out of the reach of

children. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from

damage. Protect from sunlight. Do not store near heat sources or expose to high

temperatures. Do not expose to temperatures exceeding 50° C/122° F.

**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

#### butane

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m<sup>3</sup>

#### isobutane

800ppm (TWA/TLV)

#### propane

TLV (ACGHIH) - 1.000 ppm

disodium tetraborate decahydrate

Long-term exposure limit (8-hour TWA): WEL 5 mg/m<sup>3</sup>

Decamethylcyclopentasiloxane

Long-term exposure limit (8-hour TWA): SUP 10 ppm

octamethylcyclotetrasiloxane

Long-term exposure limit (8-hour TWA): SUP 10 ppm

WEL = Workplace Exposure Limit

sodium nitrite (CAS: 7632-00-0)

**DNEL** Industry - Inhalation; Long term systemic effects: 2 mg/cm<sup>2</sup>

Decamethylcyclopentasiloxane (CAS: 541-02-6)

## SAFETY DATA SHEET

# Manufactured in the UK Hints - 2 in 1 Starch/Easy Iron

Ingredient comments

SUP = Suppliers recomendations

DNEL

Workers - Inhalation; Short term systemic effects: 97.3 mg/m³ Workers - Inhalation; Short term local effects: 24.2 mg/m³

Workers - Inhalation; Long term systemic effects: 97.3 mg/m³ Workers - Inhalation; Long term local effects: 24.2 mg/m³

Consumer - Inhalation; Short term systemic effects: 17.3 mg/m³
Consumer - Inhalation; Short term local effects: 4.3 mg/m³
Consumer - Inhalation; Long term systemic effects: 17.3 mg/m³
Consumer - Inhalation; Long term local effects: 4.3 mg/m³

Consumer - Oral; Short term local effects: 5 mg/kg/day

PNEC Fresh water; 0.0012 mg/l

marine water; 0.00012 mg/l Sediment (Freshwater); 2.39

mg/kg

Sediment (Marinewater); 0.239 mg/kg

Soil; 3.34 mg/kg STP; >10 mg/l

## octamethylcyclotetrasiloxane (CAS: 556-67-2)

Ingredient comments SUF

SUP = Suppliers recomendations

**DNEL** 

Workers - Inhalation; Short term systemic effects: 73 mg/m³ Workers - Inhalation; Short term local effects: 73 mg/m³

Workers - Inhalation; Long term systemic effects: 73 mg/m<sup>3</sup>

Workers - Dermal; Long term local effects: 73 mg/m³

Consumer - Inhalation; Short term systemic effects: 13 mg/m³ Consumer - Inhalation; Short term local effects: 13 mg/m³ Consumer - Inhalation; Long term systemic effects: 13 mg/m³ Consumer - Inhalation; Long term local effects: 13 mg/m³ Consumer - Oral; Short term systemic effects: 3.7 mg/kg/day Consumer - Oral; Long term systemic effects: 3.7 mg/kg/day

PNEC Fresh water; 0.00044 mg/l

marine water; 0.000044 mg/l

Sediment (Freshwater); 0.128 mg/kg Sediment (Marinewater); 0.013 mg/kg

Soil; 0.136 mg/kg STP; >10 mg/l

8.2. Exposure controls

Appropriate engineering

Provide adequate ventilation.

controls

Eye/face protection Avoid contact with eyes. Large Spillages: Eyewear complying with an approved standard

should be worn if a risk assessment indicates eye contact is possible.

**Hand protection** No specific hand protection recommended.

Hygiene measures Wash hands thoroughly after handling. Do not eat, drink or smoke when using this

product. Wash contaminated clothing before reuse.

## SAFETY DATA SHEET

Manufactured in the UK Hints - 2 in 1 Starch/Easy Iron

**Respiratory protection** No specific recommendations. Provide adequate ventilation. Large Spillages: If

ventilation is inadequate, suitable respiratory protection must be worn.

**Environmental exposure** Keep container tightly sealed when not in use. Avoid release to the environment.

controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Aerosol.

**Colour** Colourless to pale yellow.

Odour Fragrant.

**pH** No information available.

**Melting point** No information available.

**Initial boiling point and** No information available.

range

Flash point No information available.

**Evaporation rate** No information available.

Flammability (solid, gas) No information available.

Upper/lower flammability or No information available.

explosive limits

Vapour pressure No information available.

Vapour density No information available.

**Relative density** No information available.

Solubility(ies) No information available.

**Partition coefficient** No information available.

**Auto-ignition temperature** No information available.

**Decomposition Temperature** No information available.

Viscosity No information available.

**Explosive properties** No information available.

**Explosive under the** Yes

influence of a flame

Oxidising properties Not available.

9.2. Other information

**Other information** No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity

**Reactivity** See the other subsections of this section for further details.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the

prescribed storage conditions.

10.3. Possibility of hazardous reactions

**Possibility of hazardous** The following materials may react strongly with the product: Oxidising agents.

### SAFETY DATA SHEET

Manufactured in the UK Hints - 2 in 1 Starch/Easy Iron

reactions

10.4. Conditions to avoid

Conditions to avoid Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised

container: may burst if heated

10.5. Incompatible materials

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a

hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition Does not decompose when used and stored as recommended. Thermal decomposition or

**products** combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity - oral

Notes (oral LD<sub>50</sub>) Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 138,461.54

Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

**Acute toxicity - inhalation** 

Notes (inhalation LC<sub>50</sub>) Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data Based on available data the classification criteria are not met.

Serious eye

damage/irritation

Serious eye Based on available data the classification criteria are not met.

damage/irritation

Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

Germ cell mutagenicity

**Genotoxicity - in vitro**Based on available data the classification criteria are not met.

Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

**IARC carcinogenicity** Contains a substance which has been shown to cause cancer in laboratory animals.

IARC Group 2A Probably carcinogenic to humans.

Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met. **Reproductive toxicity** Based on available data the classification criteria are not met.

development

Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

Manufactured in the UK

# Hints - 2 in 1 Starch/Easy Iron

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

**General information** The severity of the symptoms described will vary dependent on the concentration

and the length of exposure.

**Inhalation** Spray/mists may cause respiratory tract irritation.

**Ingestion** Due to the physical nature of this product, it is unlikely that ingestion will occur.

Skin contact Repeated exposure may cause skin dryness or cracking.

Eye contact May be slightly irritating to eyes. May cause discomfort.

**Route of exposure** Ingestion Inhalation Skin and/or eye contact

**Target organs** No specific target organs known.

## **SECTION 12: Ecological information**

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may

have hazardous effects on the environment.

12.1. Toxicity

**Toxicity** Based on available data the classification criteria are not met.

### 12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

#### 12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient No information available.

12.4. Mobility in soil

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily

from all surfaces.

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

Other adverse effects None known.

#### **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

The generation of waste should be minimised or avoided wherever possible. Reuse or General information

recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may

retain some product residues and hence be potentially hazardous.

Do not empty into drains. Empty containers must not be punctured or incinerated because

of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance

with the requirements of the local Waste Disposal Authority.

### **SECTION 14: Transport information**

# Manufactured in the UK Hints - 2 in 1 Starch/Easy Iron

### 14.1. UN number

 UN No. (ADR/RID)
 1950

 UN No. (IMDG)
 1950

 UN No. (ICAO)
 1950

 UN No. (ADN)
 1950

# 14.2. UN proper shipping name

Proper shipping name

**AEROSOLS** 

(ADR/RID)

Proper shipping name (IMDG) AEROSOLS
Proper shipping name (ICAO) AEROSOLS
Proper shipping name (ADN) AEROSOLS

#### 14.3. Transport hazard class(es)

ADR/RID class 2.1
ADR/RID classification code 5F
ADR/RID label 2.1
IMDG class 2.1
ICAO class/division 2.1

#### Transport labels



**ADN class** 

## 14.4. Packing group

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

2.1

No.

#### 14.6. Special precautions for user

**EmS** F-D, S-U

ADR transport category 2

Tunnel restriction code (D)

## 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** Health and Safety at Work etc. Act 1974 (as amended).

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment

Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

EH40/2005 Workplace exposure limits.

The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

**EU legislation** 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).

#### Manufactured in the UK

## Hints - 2 in 1 Starch/Easy Iron

Commission Regulation (EU) No 2015/830 of 28 May 2015.

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).

Council Directive of 20 May 1975 on the approximation of the laws of the Member States

relating to aerosol dispensers (75/324/EEC) (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### Inventories

#### **EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

#### **SECTION 16: Other information**

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods

by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods

by Inland Waterways.

RID: European Agreement concerning the International Carriage of Dangerous Goods

by Rail.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service.

ATE: Acute Toxicity Estimate.

 $LC_{50}$ : Lethal Concentration to 50 % of a test population.

 $LD_{50}$ : Lethal Dose to 50% of a test population (Median Lethal Dose).

 $EC_{50}{:}\ 50\%$  of maximal Effective Concentration.

PBT: Persistent, Bioaccumulative and Toxic substance.

vPvB: Very Persistent and Very Bioaccumulative.

**Classification abbreviations** Aerosol = Aerosol

and acronyms

**Classification procedures** Aerosol 1 - H222, H229: Expert judgement.

according to Regulation (EC)

1272/2008

Training advice Read and follow manufacturer's

recommendations.

**Revision date** 23/10/2018

Revision 1

SDS number 4938

Hazard statements in full H220 Extremely flammable gas.

H222 Extremely flammable aerosol. H226 Flammable liquid and vapour.

H229 Pressurised container: may burst if heated.

H272 May intensify fire; oxidiser.

## **SAFETY DATA SHEET**

#### Manufactured in the UK

# Hints - 2 in 1 Starch/Easy Iron

H280 Contains gas under pressure; may explode if heated.

H301 Toxic if swallowed.

H319 Causes serious eye irritation.

H360FD May damage fertility. May damage the unborn child.

H361f Suspected of damaging fertility.

H400 Very toxic to aquatic life.

H413 May cause long lasting harmful effects to aquatic life.

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.