



SAFETY DATA SHEET

Radflush part 1

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

| | | | |
|---------------------|---|--------------|--|
| PRODUCT NAME | Radflush part 1 | | |
| PRODUCT NO. | RF1R, RK3R | | |
| SUPPLIER | - | MANUFACTURER | Holt Lloyd International Ltd Oakhurst Drive, Lawnhurst Trading Estate Cheadle Heath, Stockport, SK3 0RZ- England +44 (0)161 491 7391 FAX +44 (0)161 491 7399 A Honeywell Consumer Products Group Company www.holtsauto.com |
| EMERGENCY TELEPHONE | FR - INRS Tél : 01 40 44 31 4124hrs B - Antigifcentrum Tél: +32.70.245.245 24hrs NL - Rijksinstituut voor Volksgezondheid en Milieuhygiëne: tel. +31 (0)30 274 91 11 24hrs UK - 00 44 (0) 161 491 7391office hrs = 0900 - 1700 hrs Out of office hours Tel: 020 7358 9167 | | |

2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|-------------|-----------|---------|---------|----------------|
| CITRIC ACID | 201-069-1 | 77-92-9 | 10-30% | Xi;R36. |

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. Get medical attention if any discomfort continues.

INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. 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

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

6 ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

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

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE

Radflush part 1**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Rubber gloves are recommended. EN374

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

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. 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 | Liquid | | |
| COLOUR | Colourless | | |
| ODOUR | Characteristic | | |
| SOLUBILITY | Soluble in water Insoluble in ordinary solvents. | | |
| RELATIVE DENSITY | 1.108 | FLASH POINT (°C) | >61°C |

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS

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

11 TOXICOLOGICAL INFORMATION**INHALATION**

No specific health warnings noted.

INGESTION

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

SKIN CONTACT

Prolonged and frequent contact may cause redness and irritation.

EYE CONTACT

Splashes may irritate.

12 ECOLOGICAL INFORMATION

Radflush part 1

ECOTOXICITY

Not regarded as dangerous for the environment. 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.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

| | |
|---------------------|---|
| GENERAL | The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID). |
| SEA TRANSPORT NOTES | Not Classified. |

15 REGULATORY INFORMATION

| | | |
|----------------|-----|---|
| RISK PHRASES | NC | Not classified. |
| SAFETY PHRASES | S2 | Keep out of the reach of children |
| | S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| | S46 | If swallowed, seek medical advice immediately and show this container or label. |

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

NATIONAL REGULATIONS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40) Health and Safety at Work Act (As Amended) 1974 The Aerosol Dispensers (EEC Requirements)(Amendment) Regulations 1996 (SI 1996 No 2421). Control of Substances Hazardous to Health Regulations 2002 (as amended) The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007)

16 OTHER INFORMATION

REVISION COMMENTS

Change of reference number.

ISSUED BY

Technical Department

| | |
|------------------------------|------------|
| REVISION DATE | 14/11/2008 |
| REV. NO./REPL. SDS GENERATED | 2 |
| SDS NO. | 12551 |

SAFETY DATA SHEET STATUS

Approved.

| | |
|------|----------|
| DATE | 21-03-05 |
|------|----------|

RISK PHRASES IN FULL

| | |
|-----|---------------------|
| R36 | Irritating 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.

SAFETY DATA SHEET
RADFLUSH PART2**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME RADFLUSH PART2

PRODUCT NO. RF2R, RK3R

MANUFACTURER

Holt Lloyd International Ltd
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Estate
Cheadle Heath,
Stockport,
SK3 0RZ- England
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EMERGENCY TELEPHONE FR - INRS Tél : 01 40 44 31 4124hrs B - Antigifcentrum Tél: +32.70.245.245 24hrs NL - Rijksinstituut voor
Volksgezondheid en Milieuhygiëne: tel. +31 (0)30 274 91 11 24hrs UK - 00 44 (0) 161 491 7391office hrs =
0900 - 1700 hrs Out of office hours Tel: 020 7358 9167

2 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|-----------------|--------|-----------|---------|----------------|
| SODIUM SILICATE | | 1344-09-8 | 10-30% | Xi;R36/38. |

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. Get medical attention if any discomfort continues.

INGESTION

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. 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

The product is non-combustible.

SPECIAL FIRE FIGHTING PROCEDURES

Not relevant.

UNUSUAL FIRE & EXPLOSION HAZARDS

Non-flammable.

6 ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

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

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

RADFLUSH PART2

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store above freezing.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

No particular ventilation requirements.

RESPIRATORY EQUIPMENT

Not relevant.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Rubber gloves are recommended. EN374

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

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. 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 | Liquid |
| COLOUR | Colourless |
| ODOUR | Characteristic |
| SOLUBILITY | Soluble in water Insoluble in ordinary solvents. |
| RELATIVE DENSITY | 1.165 |

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS

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

11 TOXICOLOGICAL INFORMATION

INHALATION

No specific health warnings noted.

INGESTION

May cause discomfort if swallowed. May cause internal injury.

SKIN CONTACT

Liquid may irritate skin. Prolonged or repeated exposure may cause severe irritation.

RADFLUSH PART2

EYE CONTACT

Irritation, burning, lachrymation, blurred vision after liquid splash. Repeated exposure may cause chronic eye irritation.

HEALTH WARNINGS

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

TARGET ORGANS

Eyes. Skin.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment. 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.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

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

15 REGULATORY INFORMATION

RISK PHRASES

NC Not classified.

SAFETY PHRASES

S2 Keep out of the reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.

EU DIRECTIVES

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16 OTHER INFORMATION

REVISION COMMENTS

Change of reference number.

ISSUED BY

Technical Department

REVISION DATE 17/11/2008

REV. NO./REPL. SDS GENERATED 2

SDS NO. 10874

SAFETY DATA SHEET STATUS

Approved.

RADFLUSH PART2

| | |
|----------------------|------------------------------|
| DATE | 21-03-05 |
| RISK PHRASES IN FULL | |
| R36/38 | Irritating to eyes and skin. |

DISCLAIMER

Any risk phrases shown in this section refer to the ingredients in Section 2: NOT to the preparation.