

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/6

J.R.D. 55.

Revision 0

Revision date 2015-04-09

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

1.1. Product identifier

Product name J.R.D. 55.

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

Product Use [SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC35] Washing and cleaning products (including solvent based products);

Description Heavy Duty, Alkaline Hard Surface Cleaner.

1.3. Details of the supplier of the safety data sheet

Company Spectrum Industrial Limited
 Address 19/24 Bedesway
 Bede Industrial Estate
 Jarrow
 Tyne & Wear
 NE32 3EG
 Web www.spectrumindustrial.co.uk
 Telephone 0191 4301111
 Fax 0191 4837422
 Email sales@spectrum-ind.co.uk
 Email address of the competent person sales@spectrum-ind.co.uk

1.4. Emergency telephone number

Emergency telephone number 0191 4301111
 9.00 am - 5.00 pm Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC C; R34
 Symbols: C: Corrosive.

Main hazards Causes burns.

2.1.2. Classification - EC 1272/2008 Met. Corr. 1: H290; Skin Corr. 1B: H314;

2.2. Label elements

Hazard pictograms



Signal Word

Danger

Hazard Statement

Met. Corr. 1: H290 - May be corrosive to metals.
 Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

J.R.D. 55.

Revision 0

Revision date 2015-04-09

2.2. Label elements

| | |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary Statement: Prevention | P102 - Keep out of reach of children. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. |
| Precautionary Statement: Response | P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician. |
| Precautionary Statement: Storage | Store locked up. |

2.3. Other hazards

| | |
|----------------------|-------------------------------------------------------------------------|
| Other hazards | This product does not contain any substances classified as PBT or vPvB. |
|----------------------|-------------------------------------------------------------------------|

Further information

| | |
|------------------|-------------------|
| Contains: | Sodium Hydroxide. |
|------------------|-------------------|

SECTION 3: Composition/information on ingredients

3.1. Substances

67/548/EEC / 1999/45/EC

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|-----------------------------------------------------|-----------|------------|-----------|---------------------------|--------------|-----------------|
| Sodium N-(2-carboxyethyl)-N-(2-ethylexyl)-alaninate | | 90170-43-7 | 290-476-8 | 01-2119976233-35 | 1 - 10% | Xi; R36 |
| Sodium Hydroxide. (Sodium hydroxide) | | 1310-73-2 | 215-185-5 | 01-2119457892-27 | 1 - 10% | C; R35 |
| C9-11 Alcohol Ethoxylate | | 68439-46-3 | | | 1 - 10% | Xn; R22 Xi; R41 |

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|-----------------------------------------------------|-----------|------------|-----------|---------------------------|--------------|------------------------------------------|
| Sodium N-(2-carboxyethyl)-N-(2-ethylexyl)-alaninate | | 90170-43-7 | 290-476-8 | 01-2119976233-35 | 1 - 10% | Eye Irrit. 2: H319; |
| Sodium Hydroxide. (Sodium hydroxide) | | 1310-73-2 | 215-185-5 | 01-2119457892-27 | 1 - 10% | Met. Corr. 1: H290; Skin Corr. 1A: H314; |
| C9-11 Alcohol Ethoxylate | | 68439-46-3 | | | 1 - 10% | Acute Tox. 4: H302; Eye Dam. 1: H318; |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | Inhalation of vapour may cause shortness of breath. Move the exposed person to fresh air. Seek medical attention. |
| Eye contact | Causes burns. Causes severe inflammation and may damage the cornea. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention. |
| Skin contact | Causes burns. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist. |
| Ingestion | Ingestion causes burns to the respiratory tract. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label. |

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

| | |
|---------------------|-----------------------------------------------------|
| Inhalation | Inhalation of vapour may cause shortness of breath. |
| Eye contact | Causes burns. |
| Skin contact | Causes burns. |
| Ingestion | Ingestion causes burns to the respiratory tract. |

J.R.D. 55.

Revision 0
Revision date 2015-04-09**4.3. Indication of any immediate medical attention and special treatment needed**

| | |
|--------------|-------------------------|
| Inhalation | Seek medical attention. |
| Eye contact | Seek medical attention. |
| Skin contact | Seek medical attention. |
| Ingestion | Seek medical attention. |

SECTION 5: Firefighting measures**5.1. Extinguishing media**

| | |
|--|----------------------------------------------------------------------------|
| | Use as appropriate: Carbon dioxide (CO ₂), Dry chemical, Foam. |
|--|----------------------------------------------------------------------------|

5.2. Special hazards arising from the substance or mixture

| | |
|--|--------------------------------------------------------------------|
| | Corrosive. Burning produces irritating, toxic and obnoxious fumes. |
|--|--------------------------------------------------------------------|

5.3. Advice for firefighters

| | |
|--|-----------------------------------------------------|
| | Wear suitable respiratory equipment when necessary. |
|--|-----------------------------------------------------|

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|--|-------------------------------------------------------------------------------------------------------------------------|
| | Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Wear suitable protective equipment. |
|--|-------------------------------------------------------------------------------------------------------------------------|

6.2. Environmental precautions

| | |
|--|-------------------------------------------------------------------------|
| | Do not allow product to enter drains. Prevent further spillage if safe. |
|--|-------------------------------------------------------------------------|

6.3. Methods and material for containment and cleaning up

| | |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| | Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|-----------------------------------------------------------------------------------------------------------------------------------------------------|

6.4. Reference to other sections

| | |
|--|----------------------------------------------------------------------------------------------------|
| | For personal protection see section 8. Collect and dispose of spillage as indicated in section 13. |
|--|----------------------------------------------------------------------------------------------------|

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

| | |
|--|------------------------------------------------------------------------------------|
| | Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. |
|--|------------------------------------------------------------------------------------|

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--|----------------------------------------------------------------------------|
| | Keep in a cool, dry, well ventilated area. Keep containers tightly closed. |
|--|----------------------------------------------------------------------------|

7.3. Specific end use(s)

| | |
|--|------------------|
| | See section 1.2. |
|--|------------------|

Suitable packaging

| | |
|--|---------------------|
| | Plastic containers. |
|--|---------------------|

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

| | |
|--|----------------------------------|
| | WEL = Work place exposure limit. |
|--|----------------------------------|

8.1.1. Exposure Limit Values

| | | |
|--------------------------------------|-------------------------|----------------------------------------|
| Sodium Hydroxide. (Sodium hydroxide) | WEL 8-hr limit ppm: - | WEL 8-hr limit mg/m ³ : - |
| | WEL 15 min limit ppm: - | WEL 15 min limit mg/m ³ : 2 |

8.2. Exposure controls

J.R.D. 55.

Revision 0

Revision date 2015-04-09

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear chemical protective clothing.

Eye / face protection

Approved safety goggles.

Skin protection - Handprotection

Chemical resistant gloves (PVC).

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------|--------------------------------|
| State | Liquid |
| Colour | Yellow |
| Odour | Slight |
| pH | 12.8 - 13.8 |
| Flash point | Not applicable. |
| Relative density | 1.1 - 1.12 (Water = 1 @ 20 °C) |
| Solubility | Soluble in water |

9.2. Other information

| | |
|----------------------------------|-----------------|
| Benzene Content | Not applicable. |
| Lead content | Not applicable. |
| VOC (Volatile organic compounds) | Not applicable. |

SECTION 10: Stability and reactivity

10.1. Reactivity

Avoid contact with:.. Strong acids.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Contact with strong acids will produce an exothermic reaction.

10.4. Conditions to avoid

No relevant data is available on this product.

10.5. Incompatible materials

Acids. Tin. Zinc and their alloys.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

Causes burns.

Serious eye damage/irritation

Causes burns.

11.1.4. Toxicological Information

J.R.D. 55.

Revision 0

Revision date 2015-04-09

11.1.4. Toxicological Information

| | |
|--------------------------|-----------------------------|
| C9-11 Alcohol Ethoxylate | Dermal Rat LD50: 2000 mg/kg |
|--------------------------|-----------------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--------------------------|----------------------------|
| C9-11 Alcohol Ethoxylate | Daphnia EC50/48h: 5.3 mg/l |
|--------------------------|----------------------------|

12.2. Persistence and degradability

| | |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------|
| | The surfactants contained in this mixture comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. |
|--|-------------------------------------------------------------------------------------------------------------------------------------------------|

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

| | |
|--|--------------------|
| | Miscible in water. |
|--|--------------------|

12.5. Results of PBT and vPvB assessment

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

Further information

| | |
|-------------|-------------------------------------------------------------|
| Ecotoxicity | Potentially hazardous due to the alkalinity of the product. |
|-------------|-------------------------------------------------------------|

SECTION 13: Disposal considerations

General information


| | |
|--|-------------------------------------------------------------------|
| | Dispose of in compliance with all local and national regulations. |
|--|-------------------------------------------------------------------|

Disposal of packaging

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|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free). Can be recycled if in compliance with local and national regulations. |
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SECTION 14: Transport information

Hazard pictograms

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| |  |
|--|-------------------------------------------------------------------------------------|

14.1. UN number

| | |
|--|--------|
| | UN1824 |
|--|--------|

14.2. UN proper shipping name

| | |
|--|----------------------------|
| | SODIUM HYDROXIDE, SOLUTION |
|--|----------------------------|

14.3. Transport hazard class(es)

| | |
|-----------------|---|
| ADR/RID | 8 |
| Subsidiary risk | - |
| IMDG | 8 |
| Subsidiary risk | - |
| IATA | 8 |
| Subsidiary risk | - |

14.4. Packing group

| | |
|---------------|----|
| Packing group | II |
|---------------|----|

14.5. Environmental hazards

| | |
|-----------------------|----|
| Environmental hazards | No |
|-----------------------|----|

J.R.D. 55.

Revision 0

Revision date 2015-04-09

14.5. Environmental hazards

| | |
|------------------|----|
| Marine pollutant | No |
|------------------|----|

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

| | |
|--|---------------|
| | Not relevant. |
|--|---------------|

ADR/RID

| | |
|-----------|----|
| Hazard ID | 80 |
|-----------|----|

| | |
|-----------------|-----|
| Tunnel Category | (E) |
|-----------------|-----|

IMDG

| | |
|----------|---------|
| EmS Code | F-A S-B |
|----------|---------|

IATA

| | |
|-----------------------------|-----|
| Packing Instruction (Cargo) | 855 |
|-----------------------------|-----|

| | |
|------------------|------|
| Maximum quantity | 30 L |
|------------------|------|

| | |
|---------------------------------|-----|
| Packing Instruction (Passenger) | 851 |
|---------------------------------|-----|

| | |
|------------------|-----|
| Maximum quantity | 1 L |
|------------------|-----|

SECTION 15: Regulatory information

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

| | |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Safety Data Sheet prepared in accordance with REACH commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC classification, packaging & labelling of dangerous substances & GHS/CLP - Regulations (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

15.2. Chemical safety assessment

| | |
|--|---------------------------------------------------------------------------------------------------|
| | No chemical safety assesment has been carried out as not applicable as this product is a mixture. |
|--|---------------------------------------------------------------------------------------------------|

SECTION 16: Other information

Other information

| | |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Text of risk phrases in Section 3 | R22 - Harmful if swallowed. R35 - Causes severe burns. R36 - Irritating to eyes. R41 - Risk of serious damage to eyes. |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|

| | |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Text of Hazard Statements in Section 3 | Eye Irrit. 2: H319 - Causes serious eye irritation. Met. Corr. 1: H290 - May be corrosive to metals. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Further information

| | |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process. |
|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|