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PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JANGRO FLOOR POLISH REMOVER RINSE FREE

Applications: Floor polish remover

Supplier: Jangro Limited, as above

Emergency Contact and Times:

01298 26226 Between: 6.00am and 10.00pm

2.1 HAZARDS IDENTIFICATION

Classification: R42/43. C;R34. Xi;R37.

2.2 LABEL ELEMENTS

Contains: 2-AMINOETHANOL, ETHYLENEDIAMINE

Detergent Labelling: <5% anionic surfactants
 Contains BENZYL ALOCOHOL



Harmful (Xn) Corrosive (C)

Risk Phrases R34 Causes burns, R37 Irritating to respiratory system, R42/43 May cause sensitisation by inhalation and skin contact.

Safety Phrases S23 Do not breath vapour/spray

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/fave protection

S45 In case of accident or if you feel unwell seek medical advice immediately (show label where possible)

S51 Use only in well-ventilated areas

S28 After contact with skin, wash immediately with plenty of water

S1/2 Keep locked up and out of the reach of children

2.3 Other hazards

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not Applicable

3.2 Mixtures

| Ingredient Name | EC No. | CAS No. | Content | Classification |
|--|-----------|----------|---------|--------------------|
| 2-Aminoethanol | 205-483-3 | 141-43-5 | 10-30% | C;R34 Xn;R20/21/22 |
| Classification (EC 1272/2008) Skin Corrosion categories 1A, 1B, 1C – H314 Acute toxicity, category 4 – inhalation – H332 Acute toxicity, category 4 – Dermal – H332 Acute toxicity, category 4 – Oral – H302 | | | | |

| | | | | |
|--|-----------|------------|-------|---------------------------------|
| Benzyl alcohol | 202-859-9 | 100-51-6 | 5-10% | Xn;R20/22 |
| Classification (EC 1272/2008) Acute toxicity, category 4 – inhalation – H332 Acute toxicity, category 4 – Oral – H302 | | | | |
| Ethylenediamine | 203-468-6 | 107-15-3 | 1-5% | Xn;R21/22. C;R34.R10,R42/43. |
| Classification (EC 1272/2008) Acute toxicity, category 4 – Dermal – H312 Acute toxicity, category 4 – Oral – H302 Skin Corrosion categories 1A, 1B, 1C – H314 Flamible liquids, categories 1, 1A, 1B – H334 Skin sensation, categories 1, 1A, 1B – H317 | | | | |
| Sodium alkylether sulphate | | 13150-00-0 | 1-5% | Xi;R38, R41 |
| Classification (EC 1272/2008) Skin irritation, category 2 – H315 Serious eye damage, category 1 – H318 | | | | |

The full text for all R-phrases are shown in section 16.

4 FIRST AID MEASURES

4.1. Description of first aid measures

| | |
|---------------------|---|
| General information | CAUTION! First Aid personnel must be aware of own risk of burns. Chemical burns must be dealt with immediately, do not delay. |
| Inhalation | Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Get medical attention. |
| Ingestion | DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately! |
| Skin contact | Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention immediately! |
| Eye contact | Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. |

4.2 Most important symptoms and effects, both acute and delayed

| | |
|--------------|--|
| Inhalation | May cause damage to mucus membranes in nose, throat, lungs and bronchial system. |
| Ingestion | Causes burns. Harmful if swallowed |
| Skin contact | Causes burns. |
| Eye contact | Causes burns. Risk of serious damage to eyes |

4.3 Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

5 FIRE FIGHTING MEASURES

5.1 Extinguishing Media: This product is non combustible. Cool containers exposed to heat with water spray and remove container, if no risk involved. Use fire extinguishing media appropriate for surrounding fire.

5.2 Special hazards arising from the substance or mixture: Unsuitable extinguishing media.

5.3 Advice for firefighters
Special Fire Fighting Procedures Self contained breathing apparatus and full protective clothing must be worn in case of fire. Use water to keep fire exposed containers cool and disperse vapours.

6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions: For personal protection, see section 8.
- 6.2 Environmental precautions: Any spillage needs to be contained and not allowed to enter water courses, spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
- 6.3 Methods and material for containment and cleaning up: Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Inform authorities if large amounts are involved.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling
 Avoid spilling, skin and eye contact.

7.2 Conditions for safe storage, including any incompatibilities
 Store separate from acid.

7.3 Specific end use(s)
 See product label for detailed usage and instructions.

8 PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1 Control parameters

| Name | Std | TWA – 8 hrs | STEL – 15 min | Notes |
|----------------|-----|------------------|------------------|-------|
| 2-Aminoethanol | WEL | 1ppm 2.5mg/m3 | 3ppm 7.6mg/m3 | |

8.2 Exposure controls

PROTECTIVE EQUIPMENT :



Engineering measures : Provide adequate general and local exhaust ventilation.

Hand protection : Use protective gloves.

Eye protection : Wear full face visor or shield

Other protection : Wear suitable protective clothing as protection against splashing or contamination.

9.1 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/ Colour: Clear Liquid.

Colour: Blue

Odour: Slight odour, solvent.

Solubility Description: Soluble in water

Relative density: 1.009- 1.019 @ 20°C

pH-Value, Conc: 11.5-12.5

10 STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal temperature conditions.

10.2 Chemical stability

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Avoid contact with acids

10.5 Incompatible materials

Strong acids. Reacts strongly with light metals such as aluminium and zinc, producing hydrogen which is highly flammable.

10.6 Hazardous decomposition products

When heated, toxic and corrosive vapours/gasses may be formed.

11.1 TOXICOLOGICAL INFORMATION

Toxicological information: No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.

Inhalation: May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion: Causes burns. Harmful if swallowed.

Skin contact: Causes burns.

Eye contact: Causes burns. Risk of serious damage to eyes.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

12.2 Persistence and degradability

Degradability: The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004

12.3 Bioaccumulative potential

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

12.4 Mobility in soil

The product contains substances, which are water soluble and may spread in water systems.

12.5 Results of PBT and vPvB assessment

This product does not contain any PBT and PvB substances.

12.6 Other adverse effects

None known

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements

14 TRANSPORT INFORMATION

14.1 UN number

UN No. (ADR/RID/AND) 1760

UN No. (IMDG) 1760

UN No. (ICAO) 1760

14.2 UN proper shipping name

CORROSIVE LIQUID, NOS (2-AMINOETHANOL, ETHYLENDIAMINE)

14.3 Transport hazard class (es)

| | |
|-------------------|-------------------------------|
| ARR/RID/ADN Class | 8 |
| ARR/RID/ADN Class | Class 8: Corrosive substances |
| IMDG Class | 8 |
| ICAO Class | 8 |

Label for Conveyance:



14.4 Packing group

| | |
|---------------------------|-----|
| ADR/RID/AND Packing group | III |
| IMDG Packing group | III |
| ICAO Packing group | III |

14.5 Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

14.6 Special precautions for user

| | |
|-------------------------|---|
| Tunnel restriction code | E |
|-------------------------|---|

15 REGULATORY INFORMATION

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

| | |
|---------------------------|---|
| UK regulatory References | The Control of Substances Hazardous to Health Regulations 2002 (S.I. 2002 No. 2677) with amendments. |
| Environmental listing | Rivers (prevention of pollution) Act 1961. Control of pollution (Special Waste Regulations) Act 1980. |
| Statutory Instruments | The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health. |
| Approved Code of Practice | Classification and Labelling of Substances and Preparations Dangerous for Supply. |
| Guidance Notes | Workplace Exposure Limits EH40. CHIP for everyone HSG (108) |
| EU Legislation | System of specific information relating to Dangerous Preparations. 2001/58/EC. 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 200/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 199/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. |

National Regulations

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007)

Contains

2-Aminoethanol, Ethylenediamine

16 OTHER INFORMATION

User notes: The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 – REEACH Regulations.

Revision Date 30/01/2013

Revision 5

Risk Phrases In Full R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R34 Causes burns. R37 Irritating to respiratory system. R20/22 Harmful by inhalation and if swallowed. R38 Irritating to skin. R41 Risk of serious damage to eyes. R10 Flammable. R34 Causes burns. R21/22 Harmful in contact with skin and if swallowed. R42/43 May cause sensation by inhalation and skin contact.

Hazard Statements in Full

H226 Flammable liquid and vapour

H302 Harmful if swallowed

H312 Harmful in contact

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H332 Harmful if inhaled

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled



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FLOOR POLISH REMOVER RINSE FREE

Description

Powerful, high active, floor polish stripper. Will remove stubborn floor polish by mopping and therefore ideal for use in small, confined or awkward areas. Suitable for use on most floors including vinyl, rubber, linoleum and sealed surfaces.

Features and Benefits

- Removes the most stubborn polish film
- Quick efficient action, saves time and money
- Strips polish with a mop or a floor machine
- Can eliminate the need to neutralise
- Ideal for use on a spray stripping system

How to Use

POLISH REMOVAL WITH MOP:

Dilute 800ml per 5 litres warm water.

Spread solution generously on floor, leave for 5 minutes, agitate with mop, leave for a few minutes, not allowing the solution to dry out. Re-agitate with mop and remove completely with mop or suction dryer. Rinse with clean water.

POLISH REMOVAL WITH FLOOR MACHINE:

Dilute 100ml per 5 litres of warm water.

Mop solution onto section of floor, leave for 5 minutes. Do not allow solution to dry out. Agitate with a mop or scrub with floor machine and stripping pad. Remove slurry with wet pick-up or mop. Providing all slurry has been removed, it is not necessary to rinse, but check floor is neutral before applying polish.

SPRAY STRIPPING:

Dilute 25ml per 500ml of cold water in a hand spray.

Spray floor lightly and scrub using a stripping pad and high speed floor machine

Composition

Contains a blend of amphoteric surfactants, non-ionic surfactants, anionic surfactant, alkanolamines, sequestering agent and glycol ether

Typical Product Data:

| | |
|--------------------------------|------------------------|
| Appearance/ Colour: | Liquid. Clear. Blue. |
| Odour: | Slight odour, solvent. |
| Solubility Description: | Soluble in water |
| Specific Gravity (Water=1): | 1.009- 1.019 |
| pH-Value, Conc: | 11.5 |

Biodegradability

All surfactants used in Jangro products comply with the current European Regulations concerning Biodegradability and protection of the environment