



SAFETY DATA SHEET FL02 JGR Drain Cleaner

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name FL02 JGR Drain Cleaner
 Product No. 02009462
 Internal Id 02009462 (7 - 07/11/2016)

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

Identified uses Drain unblocker
 Uses advised against Avoid contact with: Acids. Only to be used as per the product label.

1.3. Details of the supplier of the safety data sheet

Supplier Jeyes Ltd
 Brunel Way
 Thetford
 Norfolk
 IP24 1HF
 UK
 +44 1842 757575
 Contact: Rowland Furse / Simon Burt
 Email: contact@jeyes.com

1.4. Emergency telephone number

+44 1842 757575

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Met. Corr. 1 - H290
Human health	Skin Corr. 1A - H314
Environment	Not classified.

Classification (1999/45/EEC)

C;R35.

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

Human health

Causes severe skin burns and eye damage.

Physical and Chemical Hazards

May be corrosive to metals.

2.2. Label elements

Contains SODIUM HYDROXIDE

Label In Accordance With (EC) No. 1272/2008



Signal Word Danger

Hazard Statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.

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Precautionary Statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves, eye and face protection.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P310	Immediately call a POISON CENTER or doctor/physician.
P405	Store locked up.

2.3. Other hazards

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

SODIUM HYDROXIDE	5-10%
CAS-No.: 1310-73-2	EC No.: 215-185-5
Classification (EC 1272/2008) Met. Corr. 1 - H290 Skin Corr. 1A - H314	Classification (67/548/EEC) C;R35
C10-16 Alcohol Ethoxylated Sulfate Sodium Salts (CESIO)	1-5%
CAS-No.: 68585-34-2	EC No.: 500-223-8
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R38,R41.
Sodium Lauroyl Sarcosinate	< 1%
CAS-No.: 137-16-6	EC No.: 205-281-5
Classification (EC 1272/2008) Acute Tox. 2 - H330 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) T;R23. Xi;R38,R41.

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

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Immediately rinse mouth and provide fresh air. Do not induce vomiting. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Consult a physician for specific advice.

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

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

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Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Corrosive

Skin contact

This chemical may cause skin/eye irritation and burns (corrosive).

Eye contact

This chemical may cause skin/eye irritation and burns (corrosive).

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

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

Unusual Fire & Explosion Hazards

None known.

Specific hazards

The product is non-combustible. If heated, toxic vapours may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. For personal protection, see section 8.

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Small Spillages: Flush away spillage with plenty of water. Large Spillages: Absorb with sand or other inert absorbent. Transfer to a container for disposal. For waste disposal, see section 13.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read label before use.

7.2. Conditions for safe storage, including any incompatibilities

Unsuitable containers: metals. Keep away from food, drink and animal feeding stuffs. Store in closed original container at temperatures between 5°C and 25°C.

Storage Class

Lagerklasse 8B

7.3. Specific end use(s)

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
SODIUM HYDROXIDE	WEL				2 mg/m ³	

WEL = Workplace Exposure Limit.

8.2. Exposure controls**Protective equipment****Hand protection**

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

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Hygiene measures

Wash hands after handling.

Skin protection

Wear suitable protective clothing as protection against splashing or contamination.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Spicy Fresh.
Solubility	Soluble in water.
Initial boiling point and boiling range (°C)	ca. 100°C 760 mm Hg
Melting point (°C)	ca. 0°C
Relative density	1.053 - 1.083 @ 20°C
Vapour density (air=1)	Not applicable.
Vapour pressure	Not applicable.
Evaporation rate	Not applicable.
pH-Value, Conc. Solution	12.0 - 14.0
Viscosity	1000 - 1400 cP @ 20°C
Decomposition temperature (°C)	Not applicable.
Odour Threshold, Lower	Not applicable.
Odour Threshold, Upper	Not applicable.
Flash point (°C)	> 61°C CC (Closed cup).
Auto Ignition Temperature (°C)	Not applicable.
Flammability Limit - Lower(%)	Not applicable.
Flammability Limit - Upper(%)	Not applicable.
Partition Coefficient (N-Octanol/Water)	Not applicable.

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Explosive properties

Not applicable.

Oxidising properties

Not applicable.

9.2. Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The solution is strongly alkaline and reacts with strong acids with heat generation.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

The solution is strongly alkaline and reacts with strong acids with heat generation.

10.4. Conditions to avoid

The solution is strongly alkaline and reacts with strong acids with heat generation. Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

Acids.

10.6. Hazardous decomposition products

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Corrosive. Even small amounts may cause serious damage.

Skin contact

Corrosive. Prolonged contact causes serious tissue damage.

Eye contact

Corrosive. Prolonged contact causes serious eye and tissue damage.

Route of entry

Ingestion. Skin and/or eye contact.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

12.2. Persistence and degradability

Degradability

The surfactant(s) contained in this preparation 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.

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12.3. Bioaccumulative potential**Bioaccumulative potential**

No data available on bioaccumulation.

Partition coefficient

Not applicable.

12.4. Mobility in soil**Mobility:**

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

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

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	3266
UN No. (IMDG)	3266
UN No. (ICAO)	3266

14.2. UN proper shipping name

Proper Shipping Name CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium Hydroxide)

14.3. Transport hazard class(es)

ADR/RID/ADN Class	8
ADR/RID/ADN Class	Class 8: Corrosive substances.
ADR Label No.	8
IMDG Class	8
ICAO Class/Division	8

Transport Labels**14.4. Packing group**

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

14.5. Environmental hazards**Environmentally Hazardous Substance/Marine Pollutant**

No.

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14.6. Special precautions for user

EMS	F-A, S-B
Emergency Action Code	2X
Hazard No. (ADR)	80
Tunnel Restriction Code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**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), 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 2000/21/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 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Change in formulation.

Issued By Rowland Furse / Simon Burt

Revision Date 02/12/2016

Revision 6

Risk Phrases In Full

R23 Toxic by inhalation. , R35 Causes severe burns. , R38 Irritating to skin. , R41 Risk of serious damage to eyes.

Hazard Statements In Full

H290 May be corrosive to metals. , H314 Causes severe skin burns and eye damage. , H315 Causes skin irritation. , H318 Causes serious eye damage. , H330 Fatal if inhaled.