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1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE**1.1 Product Identity**

Product Name: LUBX Range – Pipe Lubricant

1.2 Relevant Identified Uses:

Recommended use: Lubricant

1.3 Details of Supplier

POLYPIPE BUILDING PRODUCTS
BROOMHOUSE LANE
EDLINGTON
DONCASTER
DN12 1ES

1.4 Contact details / Emergency contact details

TELEPHONE: 01709 770000

EMERGENCY: 0121 6068100 (MacDermid Performance Solutions UK Ltd) (24 hours)

EMAIL: bp.datasheets@polypipe.com

The following information is based upon our current knowledge and experience of our products and is not exhaustive. It applies to the product range outlined above. The potential hazards identified, together with the recommended precautions for storage, handling and use, give the basic information for conducting workplace risk assessments and adequate control measures under the Control of Substances Hazardous to Health Regulations 2002, Control of Substances Hazardous to Health (Amendment) Regulations 2004, The CLP Regulations and the Approved Code of Practice

2: HAZARDS IDENTIFICATION**2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Physical and Chemical Hazards: Not classified.

Human health: Not classified.

Environment: Not classified.

Classification (1999/45/EEC) Not classified.

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

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

No pictogram required.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

3: COMPOSITION / INFORMATION ON INGREDIENTS	
<u>3.2. Mixtures</u>	
Composition Comments	
No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.	
4: FIRST AID MEASURES	
4.1. Description of first aid measures	
General information	Remove affected person from source of contamination.
Inhalation	Move the exposed person to fresh air at once. Rinse nose and mouth with water. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
Ingestion	Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Rinse nose, mouth and throat with water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention.
Skin contact	Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Get medical attention if irritation persists after washing.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<u>4.2. Most important symptoms and effects, both acute and delayed</u>	
General information	See section 11 for additional information on health hazards.
Inhalation	Vapours may irritate throat and respiratory system and cause coughing. Spray mists may cause respiratory tract irritation.
Ingestion	May cause discomfort if swallowed. May irritate and cause stomach pain, vomiting and diarrhoea.
Skin contact	The liquid may irritate the skin. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation. Irritation, burning, lachrymation, blurred vision after liquid splash. Spray and vapour in the eyes may cause irritation and smarting.
<u>4.3. Indication of any immediate medical attention and special treatment needed</u>	
Note to Doctors	No specific first aid measures noted.
5: FIRE FIGHTING MEASURES	
<u>5.1. Extinguishing media</u>	
Extinguishing media	The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.
<u>5.2. Special hazards arising from the substance or mixture</u>	
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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Unusual Fire & Explosion Hazards	Beware, risk of formation of toxic and corrosive gases.
Specific hazards	None known.
5.3. Advice for firefighters	
Special Fire Fighting Procedures	Avoid breathing fire vapours. Keep up-wind to avoid fumes. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.
Protective equipment for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours/spray and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13. Do not allow to enter drains, sewers or watercourses. Avoid release to the environment. Do not allow ANY environmental contamination.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Stop leak if possible without risk. To prevent release, place container with damaged side up. Absorb spillage with non-combustible, absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in section 13.

7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not handle broken packages without protective equipment. Avoid inhalation of vapours/spray and contact with skin and eyes. Use mechanical ventilation in case of handling which causes formation of vapours. Avoid contact with acids and oxidising substances. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Protect from freezing.

Storage Class

Chemical storage.

7.3. Specific end use(s)

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

Min. Storage Temp (°C) 5

Max. Storage Temp (°C) 40

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level.

Engineering measures

Provide adequate general and local exhaust ventilation. All handling to take place in well-ventilated area.

Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. Seek advice from supervisor on the companies' respiratory protection standards.

Hand protection

Protective gloves should be used if there is a risk of direct contact or splash. Seek advice from local supervisor. Splash protection: (breakthrough time > 60 minutes). Neoprene. Polyvinyl chloride (PVC). Prolonged contact: (breakthrough time > 480 minutes). Butyl rubber. (For material thickness = 0.5 mm minimum). Protective gloves should conform to EN 374. The condition of gloves should be checked prior to each use. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The selection of gloves should be made with consideration to working practises and the duration of exposure. Consideration should be given to other chemicals being handled and the working environment (e.g. sharps, fine work). Note: Observe manufacturers' recommendations, as the selection of suitable gloves do not only depend on glove material type, and permeability may vary between manufacturers.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact.

Other Protection

Provide eyewash station and safety shower. Wear suitable protective clothing as protection against splashing or contamination.

Hygiene measures

Wash hands 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 non-impervious clothing that becomes wet. Contaminated clothing to be placed in closed container until disposal or decontamination. Warn cleaning personnel of chemical's hazardous properties. Eating, smoking and water fountains prohibited in immediate work area.

Environmental Exposure Controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Gel
Colour	Amber.
Odour	Almost odourless.
Solubility	Completely soluble in water
Initial boiling point and boiling range (°C)	Not available.
Melting point (°C)	Not available.
Relative density	1.00 - 1.10 g/ml
Vapour density (air=1)	Not available.
Vapour pressure	Not available.
Evaporation rate	Not available.
pH-Value, Diluted Solution	~ 10 (10 %)
Viscosity	Not available.
Decomposition temperature (°C)	Not available.
Odour Threshold, Lower	Not available.
Odour Threshold, Upper	Not available.
Flash point (°C)	> 150 °C
Auto Ignition Temperature (°C)	Not available.
Flammability Limit – Lower (%)	Not available.
Flammability Limit – Upper (%)	Not available.
Partition Coefficient (N-Octanol/Water)	Not available.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information

Volatile Organic Compound (VOC) 0 %w/w

10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal temperature conditions and recommended use.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Reacts violently with strong oxidising substances. Reacts violently with strong acids.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials to Avoid

Strong oxidising substances. Strong acids.

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10.6. Hazardous decomposition products

None under normal conditions. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:	Based on available data the classification criteria are not met.
Skin Corrosion/Irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation:	Does not contain any substances known to be sensitizing.
Germ cell mutagenicity:	Does not contain any substances known or suspected to be mutagenic.
Carcinogenicity:	Does not contain any substances known or suspected to be carcinogenic.
Reproductive Toxicity:	Does not contain any substances known or suspected to be toxic to reproduction.
Specific target organ toxicity - single exposure:	Does not contain any substances known or suspected to be specific target organ toxicants after single exposure.
Specific target organ toxicity - repeated exposure:	Does not contain any substances known or suspected to be specific target organ toxicants after repeated exposure.
Aspiration hazard:	Not anticipated to present an aspiration hazard based on chemical structure.

12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to 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. The product does not contain organically bound halogen.

12.1. Toxicity

Based on available data the classification criteria are not met.

12.2. Persistence and degradability

Degradability

The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

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

Partition coefficient

Not available.

12.4. Mobility in soil

Mobility:

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The product is miscible with water. May spread in water systems.

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.

13: DISPOSAL CONSIDERATIONS

General information

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

13.1. Waste treatment methods

Environmental manager must be informed of all major spillages. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

14. TRANSPORT INFORMATION

General

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

14.1. UN number

Not relevant

14.2. UN proper shipping name

Not relevant

14.3. Transport hazard class(es)

Not relevant

14.4. Packing group

Not relevant

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant No.

14.6. Special precautions for user

Not relevant

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

Not relevant

15: REGULATORY INFORMATION

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

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

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

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EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP), amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Regulation (EC) No 790/2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP). Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). Regulation (EC) No 286/2011 amending Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP).

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.

Water hazard classification

WGK 1

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

16: OTHER INFORMATION

Training Advice

Provide adequate information, instruction, and training for operator

Disclaimer

The information provided in this Safety Data Sheet was compiled using current safety information supplied by distributors of the component materials. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

This safety data sheet. Recipients of the product must take responsibility for observing existing laws and regulations. This Safety Data Sheet is in REACH Annex II format and supersedes all previous issues, and users are cautioned to ensure it is the current version.

Destroy all previous revisions and refer to the supplier on +44 1709 770000 for queries regarding this data sheet.