G1 Lead Restorer

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

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SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: G1 Lead Restorer
Use: Restores lead up to 50 years old.
Supplier: Premium Roofing Products, Unit B, Bingley Road, Hoddesdon, Hertfordshire, EN11 0NX
TEL: 01992 444100
Email: enquiries@leadsales.co.uk

1.2. Composition/Information on Ingredients

Substance	Product Identifier	C (%)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific Concentration Limits
Acetic acid	**CAS-No.:** 64-19-7 **EC-No.:** 200-580-7 **EC Index-No.:** 607-002-00-6	≥10->30	Flam. Liq. 3, H226 Skin Corr. 1A, H314	(10 ≤C < 25) Skin Irrit. 2, H315 (10 ≤C < 25) Eye Irrit. 2, H319 (25 ≤C < 90) Skin Corr. 1B, H314 (90 ≤C ≤ 100) Skin Corr. 1A, H314
Nitric acid	**CAS-No.:** 7697-37-2 **EC-No.:** 231-714-2 **EC Index-No.:** 007-004-00-1	≥1-<10	Ox. Liq. 2, H272 Acute Tox. 1 (Inhalation), H330 Skin Corr. 1A, H314	(70 ≤C < 99) Ox. Liq. 3, H272 (99 ≤C ≤ 100) Ox. Liq. 2, H272

SECTION 2: Hazards Identification

2.1. Classification of Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Skin corrosion/irritation, Category 1, Sub-Category 1B, H314.
Serious eye damage/irritation, Category 1, H318.
Physicochemical Hazards: Flammable liquid and vapour.
Human Health Hazards: Causes severe skin burns and eye damage.
Environmental Hazards: No data available.

2.2. Label Elements

Hazard Pictograms: GHS05



Signal Word: Danger.
Product Identifiers: Contains nitric acid & acetic acid.
Hazard Statement: H314 Causes severe skin burns and eye damage.

2.2.1. Precautionary Statements

Prevention: P280 Wear eye protection, protective gloves.

Response: P301, P330, P331 & P310 IF SWALLOWED, rinse mouth. Do NOT induce vomiting. Immediately call a doctor.
P303, P361, P353 & P310 IF ON SKIN (or hair), take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a doctor.
P305, P351, P338 & P310 IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
Storage: No data available.
Disposal: No data available.
Hazardous Ingredients: No data available.
Supplemental Label Elements: No data available.
Annex XVII – Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Mixtures and Articles: Contains no PBT/vPvB substances ≥0.1%

2.3. Other Hazards

No data available.

SECTION 3: First Aid Measures

3.1. Description of First Aid Measures

Call a physician immediately

First Aid Measures After Inhalation: Remove person to fresh air and keep comfortable for breathing.
First Aid Measures After Skin Contact: Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First Aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First Aid Measures After Ingestion: Rinse mouth. Do not induce vomiting. Call a physician immediately.

3.1.1. Protection of First Aiders

No data available.

3.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Effects After Inhalation: Shortness of breath.
Symptoms/Effects After Skin Contact: Burns.
Symptoms/Effects After Eye Contact: Serious damage to eyes.
Symptoms/Effects After Ingestion: Burns.

3.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Antidote: No data available.
Special Treatment: Treat symptomatically.

SECTION 4: Firefighting Measures

4.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, dry powder, foam, carbon dioxide.
Unsuitable Extinguishing Media: No data available.

4.2. Hazards Arising from the Substance or Mixture

Hazards from the Substance or Mixture: Flammable liquid and vapour.
Hazardous Thermal Decomposition Products: Toxic fumes may be released.

4.3. Advice for Firefighters

Special Protective Actions for Firefighters: Do not attempt to take action without suitable protective equipment.
Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus and complete protective clothing to prevent contact with skin and eyes.
Additional Information: Not applicable.

SECTION 5: Accidental Release Measures

5.1. Personal Precautions, Protective Equipment and Emergency Procedures

For Non-Emergency Personnel: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.
For Emergency Responders: Do not attempt to take action without suitable protective equipment.

5.2. Environmental Precautions

Avoid release to the environment.

5.3. Methods and Materials for Containment and Cleaning Up

For Containment: Take up liquid spill into absorbent material.
Methods for Cleaning Up: Dispose of materials or solid residues at an authorized site.
Other Information: Notify authorities if product enters sewers or public waters.

SECTION 6: Handling and Storage

6.1. Precautions for Safe Handling

Protective Measures: Ensure good ventilation of the workstation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.
Hygiene Measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

6.2. Conditions for Safe Storage, Including any Incompatibilities

Ground/bond container and receiving equipment. Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

6.3. Specific End Use(s)

No data available.

SECTION 7: Exposure Controls/Personal Protection

7.1. Control Parameters

Occupational Exposure Limits:

Ingredients	WEL TWA (OEL TWA) [1]	WEL TWA (OEL TWA) [2]	WEL STEL (OEL STEL)	WEL STEL (OEL STEL) [ppm]	Regulatory Reference
Nitric acid	N/A	N/A	2.6mg/m³	1ppm	EH40/2005 (Fourth edition, 2020). HSE
Acetic acid	25mg/m³	10ppm	37mg/m³	15ppm	EH40/2005 (Fourth edition, 2020). HSE

Recommended Monitoring Procedures: No data available.
Air Contaminants Formed: No data available.
Control Banding: No data available.
DNEL & PNEC: No data available.

7.2. Exposure Controls

Appropriate Engineering Controls: Ensure good ventilation of the workstation.
Thermal Hazards: No data available.
Environmental Exposure Controls: Avoid release to the environment.

7.2.1. Individual Protection Measures

Personal Protective Equipment Symbol(s):



Hygiene Measures: No data available.
Hand Protection: Protective gloves.
Body Protection: Wear suitable protective clothing.
Other Skin Protection: Not applicable.
Eye/Face Protection: Safety glasses.
Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 8: Physical and Chemical Properties

Physical State: Liquid.
Colour: Clear.
Odour: No data available.
Odour Threshold: No data available.
pH: No data available.
Melting Point: Not applicable.
Freezing Point: No data available.
Boiling Point: No data available.
Flash Point: No data available.
Evaporation Rate: No data available.
Flammability: Not applicable.
Vapour Pressure: No data available.
Vapour Density: 0.98-1.01
Relative Density: No data available.
Solubility: No data available.
Particion Coefficient n-octanol/water: No data available.
Auto-Ignition Temperature: No data available.
Decomposition Temperature: No data available.
Viscosity (kinematic): No data available.
Viscosity (dynamic): No data available.
Explosive Properties: No data available.
Oxidising Properties: No data available.
Explosive Limits: No data available.
Other Information: No data available.

SECTION 9: Stability and Reactivity

Reactivity: Flammable liquid and vapour.
Chemical Stability: Stable under normal conditions.
Possibility of Hazardous Reactions: No dangerous reactions known under normal conditions of use.
Conditions to Avoid: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible Materials: No data available.
Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 10: Toxicological Information

10.1. Information on Toxicological Effects

Acute Toxicity:

Acetic Acid	LD50 oral rat	3310mg/kg
	LD50 dermal rabbit	1112mg/kg
	LC50 inhalation – rat (vapours)	40mg/l/4h

Skin Irritation/Corrosion: Causes severe skin burns.
Serious Eye Damage/Irritation: Causes serious eye damage.
Respiratory or Skin Sensitisation: No data available.
Germ Cell Mutagenicity: No data available.

Carcinogenicity: No data available.
Reproductive Toxicity: No data available.
Teratogenicity: No data available.
Specific Target Organ Toxicity (single exposure): No data available.
Specific Target Organ Toxicity (repeated exposure): No data available.
Aspiration Hazard: No data available.

10.2. Information on the Likely Routes of Exposure

No data available.

10.3. Potential Acute Health Effects

Eye Contact: No data available.
Inhalation: No data available.
Skin Contact: No data available.
Ingestion: No data available.

10.4. Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Eye Contact: No data available.
Inhalation: No data available.
Skin Contact: No data available.
Ingestion: No data available.

10.5. Potential Delayed, Immediate and Chronic Effects from Short- and Long-Term Exposure

10.5.1. Short Term Exposure

Immediate Effects: No data available.
Delayed Effects: No data available.

10.5.2. Long Term Exposure

Immediate Effects: No data available.
Delayed Effects: No data available.

10.5.3. Potential Chronic Health Effects

No data available.

10.6. Conclusion/Summary

No data available.

SECTION 11: Ecological Information

Toxicity: Before neutralisation, the product may represent a danger to aquatic organisms.
Persistence and Degradability: Not rapidly degradable.
Bio accumulative Potential: No data available.
Mobility in Soil: No data available.

Results of PBT and vPvB Assessment: No data available.
Other Adverse Effects: No data available.

SECTION 12: Disposal Considerations

12.1. Waste Treatment Methods

12.1.1. Product

Methods of Disposal: Dispose of contents in accordance with licensed collector's sorting instructions.
Hazardous Waste: No data available.

12.1.2. Packaging

Methods of Disposal: Dispose of container in accordance with licensed collector's sorting instructions.
Special Precautions: Flammable vapours may accumulate in the container.

SECTION 13: Transport Information

13.1. Transport Information

	ADR/RID	IMDG	IATA	ADN
UN Number	2790	2790	2790	2790
UN Proper Shipping Name	ACETIC ACID SOLUTION	ACETIC ACID SOLUTION	ACETIC ACID SOLUTION	ACETIC ACID SOLUTION
Transport Hazard Class(es)	8	8	8	8
Packing Group	III	III	III	III
Environmental Hazards	Not dangerous for the environment.	Not dangerous for the environment. Not a marine pollutant.	Not dangerous for the environment.	Not dangerous for the environment.
Additional Information	**Transport document description:** UN 2790 ACETIC ACID SOLUTION, 8, III, (E)	**Transport document description:** UN 2790 ACETIC ACID SOLUTION, 8, III	**Transport document description:** UN 2790 ACETIC ACID SOLUTION, 8, III	**Transport document description:** UN 2790 ACETIC ACID SOLUTION, 8, III

13.2. Special Precautions for User

13.2.1. Overland Transport

Classification Code (ADR): C3
Special Provisions (ADR): 597, 647
Limited Quantities (ADR): 5l
Excepted Quantities (ADR): E1
Packing Instructions (ADR): P001, IBC03, LP01, R001
Mixed Packing Provisions (ADR): MP19
Portable Tank and Bulk Container Instructions (ADR): T4
Portable Tank and Bulk Container Special Provisions (ADR): TP1
Tank Code (ADR): L4BN
Vehicle for Tank Carriage: AT
Transport Category (ADR): 3
Special Provisions for Carriage – Packages (ADR): V12

Hazard Identification Number (Kemler No.): 80
Orange Plates:



Tunnel Restriction Code (ADR): E
EAC Code: •2R

13.2.2. Transport by Sea

Limited Quantities (IMDG): 5L
Excepted Quantities (IMDG): E1
Packing Instructions (IMDG): P001, LP01
IBC Packing Instructions (IMDG): IBC03
Tank Instructions (IMDG): T4
Tank Special Provisions (IMDG): TP1
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-B
Stowage Category (IMDG): A
Segregation (IMDG): SGG1, SG36, SG49
Properties and Observations: Colourless liquid with a pungent odour. Miscible with water. Corrosive to lead and most other metals. Corrosive to skin, eyes and mucous membranes.

13.2.3. Air Transport

PCA Excepted Quantities (IATA): E1
PCA Limited Quantities (IATA): Y841
PCA Limited Quantity (IATA): 1L
PCA Packing Instructions (IATA): 852
PCA Max Net Quantity (IATA): 5L
CAO Packing Instructions (IATA): 856
CAO Max Net Quantity (IATA): 60L
Special Provisions (IATA): A803
ERG code (IATA): 8L

13.2.4. Inland Waterway Transport

Classification Code (ADN): C3
Special Provisions (ADN): 597, 647
Limited Quantities (ADN): 5L
Excepted Quantities (ADN): E1
Carriage Permitted (ADN): T
Equipment Required (ADN): PP, EP
Number of Blue Cones/Lights (ADN): 0

13.2.5. Rail Transport

Classification Code (RID): C3
Special Provisions (RID): 597, 647
Limited Quantities (RID): 5L
Excepted Quantities (RID): E1
Packing Instructions (RID): P001, IBC03, LP01, R001

Mixed Packing Provisions (RID): MP19
Portable Tank and Bulk Container Instructions (RID): T4
Portable Tank and Bulk Container Special Provisions (RID): TP1
Tank Codes for RID Tanks (RID): L4BN
Transport Category (RID): 3
Special Provisions for Carriage – Packages (RID): W12
Colis Express (Express Parcels) (RID): CE8
Hazard Identification Number (RID): 80

13.3. Transport in Bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

SECTION 14: Regulatory Information

14.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

14.1.1. Regulations

REACH Annex XVII (Restriction List): Contains no REACH substances with Annex XVII restrictions.
REACH Annex XIV (Authorisation List): Contains no REACH Annex XIV substances.
REACH Candidate List (SVHC): Contains no substance on the REACH candidate list.
PIC Regulation (Prior Informed Consent): Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
POP Regulation (Persistent Organic Pollutants): Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.
Ozone Regulation (1005/2009): Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.
Explosives Precursors Regulation (2019/1148): Contains substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.
ANNEX I RESTRICTED EXPLOSIVES PRECURSORS List of substances which shall not be made available to, or introduced, possessed or used by, members of the general public, whether on their own or in mixtures or substances that include those substances, unless the concentration is equal to or lower than the limit values set out in column 2, and for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Limit Value	Upper limit value for licensing under Article 5(3)	Combined Nomenclature (CN) code for a separate chemically defined compound meeting the requirements of Note 1 to Chapter 28 or 29 of the CN, respectively	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Nitric Acid	7697-37-2	3% w/w	10% w/w	ex 2808 00 00	ex 3824 99 96

Drug Precursors Regulation (273/2004): Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors).

14.1.2. Container Information

No data available.

14.1.3. Provisions

Guidance: No data available.

14.2. Chemical Safety Assessment

No data available.

SECTION 15: Other Information

This information is based on the supplier's current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

15.1. Abbreviations and Acronyms

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
BCF: Bioconcentration factor.
BLV: Biological limit value.
BOD: Biochemical oxygen demand (BOD).
COD: Chemical oxygen demand (COD).
DMEL: Derived Minimal Effect level.
DNEL: Derived-No Effect Level.
EC-No.: European Community number.
EC50: Median effective concentration.
EN: European Standard.
IARC: International Agency for Research on Cancer.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
LC50: Median lethal concentration.
LD50: Median lethal dose.
LOAEL: Lowest Observed Adverse Effect Level.
NOAEC: No-Observed Adverse Effect Concentration.
NOAEL: No-Observed Adverse Effect Level.
NOEC: No-Observed Effect Level.
OECD: Organisation for Economic Co-operation and Development.
OEL: Occupational Exposure Limit.
PBT: Persistent Bio accumulative Toxic.
PNEC: Predicted No-Effect Concentration.
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
SDS: Safety Data Sheet.
STP: Sweage treatment plant.
ThOD: Theoretical oxygen demand (ThOD).
TLM: Median Tolerance Limit.
VOC: Volatile Organic Compounds.
CAD-No.: Chemical Abstract Service number.
N.O.S.: Not Otherwise Specified.
vPvB: Very Persistent and Very Bio accumulative.
ED: Endocrine disrupting properties.

15.2. Full text of H and EUH Statements

Eye Irrit. 2: Serious eye damage/eye irritation, Category 2.

Flam. Liq 3: Flammable liquids, Category 3.
H226: Flammable liquid and vapour.
H272: May intensify fire; oxidiser.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
Ox. Liq. 2: Oxidising Liquids, Category 2.
Ox. Liq. 3: Oxidising Liquids, Category 3.
Skin Corr. 1A: Skin corrosion/irritation, Category 1, Sub-Category 1A.
Skin Corr. 1B: Skin corrosion/irritation, Category 1, Sub-Category 1B.
Skin Irrit. 2: Skin corrosion/irritation, Category 2.