

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product Name: PLATEGUARD RED

Other means of identification

SDS number: 200000017690

UFI: H64X-50E0-3307-YR2G

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

Identified uses: Reserved for industrial and professional use.

Uses advised against: Not known. Read this SDS before using this product.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Importer/Supplier/Distributor Information

Company Name: Lincoln Electric Europe S.L.

Address: Calle Balmes, 89 8th floor, 2a

Barcelona 08008

Spain

Telephone: +34 93 492 20 00

Contact Person: Safety Data Sheet Questions: www.lincolnelectric.com/sds

Arc Welding Safety Information: www.lincolnelectric.com/safety

Company Name: Lincoln Electric Europe B.V.

Address: Nieuwe Dukenburgseweg 20

Nijmegen 6534AD

The Netherlands

Telephone: +31 243 522 911

Contact Person: Safety Data Sheet Questions: www.lincolnelectric.com/sds

Arc Welding Safety Information: www.lincolnelectric.com/safety

1.4 Emergency telephone number:

USA/Canada/Mexico +1 (888) 609-1762

Americas/Europe +1 (216) 383-8962

Asia Pacific +1 (216) 383-8966

Middle East/Africa +1 (216) 383-8969

3E Company Access Code: 333988

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Not classified as hazardous according to applicable GHS hazard classification criteria.

2.2 Label Elements Not applicable

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

Reportable Hazardous Ingredients

3.2 Mixtures

General information: No hazardous ingredients.

Composition Comments: The term "Hazardous Ingredients" should be interpreted as a term defined in Hazard Communication standards and does not necessarily imply the existence of a welding or allied process hazard. The product may contain additional non-hazardous ingredients or may form additional compounds under the condition of use. Refer to Sections 2 and 8 for more information.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Move to fresh air if breathing is difficult. If breathing has stopped, perform artificial respiration and obtain medical assistance at once.

Skin Contact: Remove contaminated clothing and wash the skin thoroughly with soap and water. For reddened or blistered skin, or thermal burns, obtain medical assistance at once.

Eye contact: Do not rub eye. Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: Symptoms may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No information about adverse effects due to exposure.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

5.1 Extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

**5.3 Advice for firefighters
Special fire fighting procedures:** Use standard firefighting procedures and consider the hazards of other involved materials.

Special protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: If airborne dust and/or fume is present, use adequate engineering controls and, if needed, personal protection to prevent overexposure. Refer to recommendations in Section 8.

6.2 Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

6.3 Methods and material for containment and cleaning up: Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk. Clean up spills immediately, observing precautions in the personal protective equipment in Section 8. Avoid generating dust. Prevent product from entering any drains, sewers or water sources. Refer to Section 13 for proper disposal.

6.4 Reference to other sections: No data available.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities: Store in closed original container in a dry place. Store in accordance with local/regional/national regulations. Store away from incompatible materials.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

MAC, PEL, TLV and other exposure limit values may vary per element and form - as well as per country. All country-specific values are not listed. If no occupational exposure limit values are listed below, your local authority may still have applicable values. Refer to your local or national exposure limit values.

Control Parameters

Occupational Exposure Limits: Great Britain

None of the components have assigned exposure limits.

Occupational Exposure Limits: US

None of the components have assigned exposure limits.

Biological Limit Values: Great Britain

None of the components have assigned exposure limits.

Biological Limit Values: ACGIH

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate Engineering Controls

Observe Occupational Exposure Limits and minimize the risk of inhalation.

Individual protection measures, such as personal protective equipment

General information:

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection:

Wear goggles/face shield.

Skin protection

Hand Protection:

Wear protective gloves. Suitable gloves can be recommended by the glove supplier.

Other:

No data available.

Respiratory Protection:

In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures:

Do not eat, drink or smoke when using the product. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	No data available.
Physical state:	Liquid
Form:	Liquid
Color:	Red
Odor:	No data available.
Odor Threshold:	No data available.

pH:	9,5
Freezing point:	No data available.
Boiling Point:	No data available.
Flash Point:	No data available.
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Relative vapor density:	No data available.
Density:	1,0400 g/cm ³
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

VOC Content: Not available.

Bulk density: Not available.

Dust Explosion Limit, Upper: Not available.

Dust Explosion Limit, Lower: Not available.

Dust Explosion Description Number Not available.

Kst:

Minimum ignition energy: Not available.

Minimum ignition temperature: Not available.

Metal Corrosion: Not available.

SECTION 10: Stability and reactivity

10.1 Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical Stability: Material is stable under normal conditions.

10.3 Possibility of hazardous reactions: None under normal conditions.

- 10.4 Conditions to avoid:** Avoid heat or contamination.
- 10.5 Incompatible Materials:** Strong acids. Strong oxidizing substances. Strong bases.
- 10.6 Hazardous Decomposition Products:** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

Information on likely routes of exposure

- Inhalation:** Inhalation is the primary route of exposure. In high concentrations, dust, vapors, fumes or mists may irritate nose, throat and mucus membranes.
- Skin Contact:** Moderately irritating to skin with prolonged exposure.
- Eye contact:** Eye contact is possible and should be avoided.
- Ingestion:** Health injuries from ingestion are not known or expected under normal use.

Symptoms related to the physical, chemical and toxicological characteristics

- Inhalation:** No data available.

11.1 Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

- Product:** Not classified for acute toxicity based on available data.

Dermal

- Product:** Not classified for acute toxicity based on available data.

Inhalation

- Product:** Not classified for acute toxicity based on available data.

Repeated dose toxicity

- Product:** No data available.

Skin Corrosion/Irritation

- Product:** Not classified

Serious Eye Damage/Eye Irritation

- Product:** Not classified

Respiratory or Skin Sensitization

- Product:** Respiratory Sensitization: Not classified
Skin Sensitization: Not classified

Carcinogenicity

- Product:** Not classified

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

- No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product: Not classified

In vivo

Product: Not classified

Reproductive toxicity

Product: Not classified

Specific Target Organ Toxicity - Single Exposure

Product: Not classified

Specific Target Organ Toxicity - Repeated Exposure

Product: Not classified

Aspiration Hazard

Product: No data available.

SECTION 12: Ecological information

12.1 Ecotoxicity

Acute hazards to the aquatic environment:

Fish

Product: Not classified

Aquatic Invertebrates

Product: Not classified

Chronic hazards to the aquatic environment:

Fish

Product: Not classified

Aquatic Invertebrates

Product: Not classified

Toxicity to Aquatic Plants

Product: No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

12.4 Mobility in soil:

No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

12.6 Other adverse effects:

No data available.

12.7 Additional Information: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- General information:** Dispose of waste and residues in accordance with local authority requirements.
- Disposal instructions:** Dispose of this material and its container to hazardous or special waste collection point.
- Contaminated Packaging:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

SECTION 14: Transport information

ADR

- 14.1 UN number or ID number:
14.2 UN Proper Shipping Name: NOT DG REGULATED
14.3 Transport Hazard Class(es)
Class: NR
Label(s): –
Hazard No. (ADR): –
Tunnel restriction code:
14.4 Packing Group: –
Limited quantity
Excepted quantity
14.5 Marine Pollutant No

ADN

- 14.1 UN number or ID number:
14.2 UN Proper Shipping Name: NOT DG REGULATED
14.3 Transport Hazard Class(es)
Class: NR
Label(s): –
Hazard No. (ADR): –
14.4 Packing Group: –
Limited quantity
Excepted quantity
14.5 Marine Pollutant No

RID

- 14.1 UN number or ID number:
14.2 UN Proper Shipping Name: NOT DG REGULATED
14.3 Transport Hazard Class(es)
Class: NR
Label(s): –
14.4 Packing Group: –
14.5 Marine Pollutant No

IMDG

14.1 UN number or ID number:	
14.2 UN Proper Shipping Name:	NOT DG REGULATED
14.3 Transport Hazard Class(es)	
Class:	NR
Label(s):	–
EmS No.:	–
14.4 Packing Group:	–
Limited quantity	
Excepted quantity	
14.5 Marine Pollutant	No

IATA

14.1 UN number or ID number:	
14.2 Proper Shipping Name:	NOT DG REGULATED
14.3 Transport Hazard Class(es):	
Class:	NR
Label(s):	–
14.4 Packing Group:	–
Cargo aircraft only :	
Passenger and cargo aircraft :	
Limited quantity:	
Excepted quantity	
14.5 Marine Pollutant	No
Cargo aircraft only:	Allowed.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

SECTION 15: Regulatory information

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

EU Regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: None

EU. REACH Annex XIV, Substances Subject to Authorization: None

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: None

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended: None

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended: None

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended: None

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended: None

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): None

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: None

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: None

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: None

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:

Not applicable

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: None

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: None

National Regulations

Water Hazard Class (WGK): WGK 3: severely water-endangering.

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

International regulations

Inventory Status:

Australia AICS:	One or more components are not listed or are exempt from listing.
Canada DSL Inventory List:	One or more components are not listed or are exempt from listing.
Canada NDSL Inventory:	One or more components are not listed or are exempt from listing.
Ontario Inventory:	One or more components are not listed or are exempt from listing.
China Inv. Existing Chemical Substances:	One or more components are not listed or are exempt from listing.
Japan (ENCS) List:	One or more components are not listed or are exempt from listing.
Japan ISHL Listing:	One or more components are not listed or are exempt from listing.
Japan Pharmacopoeia Listing:	One or more components are not listed or are exempt from listing.
Korea Existing Chemicals Inv. (KECI):	One or more components are not listed or are exempt from listing.
Mexico INSQ:	One or more components are not listed or are exempt from listing.
New Zealand Inventory of Chemicals:	One or more components are not listed or are exempt from listing.
Philippines PICCS:	One or more components are not listed or are exempt from listing.
Taiwan Chemical Substance Inventory:	One or more components are not listed or are exempt from listing.
US TSCA Inventory:	One or more components are not listed or are exempt from listing.
EINECS, ELINCS or NLP:	One or more components are not listed or are exempt from listing.

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

SECTION 16: Other information

Definitions:

References

PBT
vPvB

PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.

Key literature references and sources for data:

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

Wording of the H-statements in section 2 and 3: None

Other information:

Additional information is available by request.

Issue Date:

14.10.2021

Disclaimer:

The Lincoln Electric Company urges each end user and recipient of this SDS to study it carefully. See also www.lincolnelectric.com/safety. If necessary, consult an industrial hygienist or other expert to understand this information and safeguard the environment and protect workers from potential hazards associated with the handling or use of this product. This information is believed to be accurate as of the revision date shown above. However, no warranty, expressed or implied, is given. Because the conditions or methods of use are beyond Lincoln Electric's control, we assume no liability resulting from the use of this product. Regulatory requirements are subject to change and may differ between various locations. Compliance with all applicable Federal, State, Provincial, and local laws and regulations remain the responsibility of the user.

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