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**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006

**0890 104 1 - Battery Terminal Grease 100ml**

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Version 2.0	Revision Date 05.04.2014	Print Date 08.04.2014	GB / EN
	Date of last issue: 02.10.2013		
	Date of first issue: 21.12.2009		

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Commercial Product Name : Battery Terminal Grease 100ml  
Product code : 0890 104 1  
MSDS-Identcode : 10033174

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

Use of the Substance/Mixture : Anti-friction agent and lubricant

**1.3 Details of the supplier of the safety data sheet**

Company : Würth UK Ltd  
1 Centurion Way  
Erith, Kent  
United Kingdom  
Telephone : +44 (0)3300 555 444  
Telefax : +44 (0)3300 555 666  
Company : WÜRTH IRELAND LTD.  
Monacloine Ind. Est. Ballysimon Road  
Limerick  
Ireland  
Telephone : +353 61 430200  
Telefax : +353 61 412428

Responsible/issuing person : E-mail address: prodsafe@wuerth.com

**1.4 Emergency telephone number**

National Chemical Emergency Centre  
+44 (0)870 190 6777

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**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

**Classification (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

**Classification (67/548/EEC, 1999/45/EC)**

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

**2.2 Label elements**

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**Labelling (REGULATION (EC) No 1272/2008)**

Not a hazardous substance or mixture.

**2.3 Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Hazardous components**

Remarks : No hazardous ingredients

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**SECTION 4: First aid measures****4.1 Description of first aid measures**

- General advice : If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Take off contaminated clothing and shoes immediately.
- If inhaled : If breathed in, move person into fresh air. If symptoms persist, call a physician.
- In case of skin contact : Wash off with soap and water.
- In case of eye contact : If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label. If swallowed, DO NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position.

**4.2 Most important symptoms and effects, both acute and delayed**

No data available

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

No data available

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**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>), Dry powder, Water spray jet, Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

**5.2 Special hazards arising from the substance or mixture**

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products may be formed under fire conditions (see section 10). Exposure to decomposition products may be a hazard to health.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation, especially in confined areas. Contaminated surfaces will be extremely slippery. Avoid inhalation of vapour or mist.

**6.2 Environmental precautions**

Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

**6.3 Methods and materials for containment and cleaning up**

Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.

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**6.4 Reference to other sections**

see chapter: 7, 8, 11, 12 and 13

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling : For personal protection see section 8. Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Do not carry cloths that have come into contact with the product in your clothing.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Dust explosion class : Not applicable

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Store at room temperature in the original container. Keep container tightly closed in a dry and well-ventilated place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

Other data : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

No data available

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

Contains no substances with occupational exposure limit values.

Other information on limit values: see chapter 16

**8.2 Exposure controls****Engineering measures**

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Provide adequate ventilation.

**Personal protective equipment**

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Respirator with filter type A

Hand protection

Material : Nitrile rubber

Remarks : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.

Eye protection : In case of splash hazard, please wear protective goggles.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
General industrial hygiene practice.  
Avoid breathing vapours, mist or gas.  
Avoid contact with skin, eyes and clothing.  
When using do not eat, drink or smoke.  
Wash hands before breaks and at the end of workday.  
Wash contaminated clothing before re-use.

**Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	: paste
Colour	: red
Odour	: hydrocarbon-like
Odour Threshold	: No data available
Flash point	: 200 °C
	Active ingredient
Ignition temperature	: No data available
Thermal decomposition	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Explosive properties	: Not explosive
Flammability	: No data available
Oxidizing properties	: No data available
Auto-ignition temperature	: not auto-flammable
Burning number	: No data available
Molecular weight	: No data available
pH	: No data available
Drop point	: ca. 100 °C
Boiling point/boiling range	: No data available
Vapour pressure	: No data available
Density	: 0,93 g/cm <sup>3</sup> at 20 °C
Bulk density	: No data available
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: ca. 60 mm <sup>2</sup> /s at 40 °C Method: DIN 51562
	ca. 6 mm <sup>2</sup> /s at 100 °C Method: DIN 51562
Flow time	: No data available

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Impact sensitivity	: No data available
Relative vapour density	: No data available
Surface tension	: No data available
Evaporation rate	: No data available
Minimum ignition energy	: No data available
Acid number	: No data available
Refraction index	: No data available
Miscibility in water	: No data available
Solvent separation test	: No data available

**9.2 Other information**

None known.

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available

**10.2 Chemical stability**

The product is chemically stable.

**10.3 Possibility of hazardous reactions**

Stability : No decomposition if stored and applied as directed.

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Materials to avoid : Oxygen

**10.6 Hazardous decomposition products**

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), Carbon monoxide

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

Acute oral toxicity:

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No data available

Acute inhalation toxicity:

No data available

Acute dermal toxicity:

No data available

Acute toxicity (other routes of administration):

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitisation**

Sensitisation:

No data available

**Germ cell mutagenicity**

Genotoxicity in vitro:

No data available

Genotoxicity in vivo:

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Teratogenicity**

No data available

**STOT - single exposure**



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No data available

**STOT - repeated exposure**

No data available

**Aspiration hazard**

Aspiration toxicity

No data available

**Neurological effects**

No data available

**Toxicology Assessment**

Toxicology, Metabolism, Distribution

No data available

Acute effects

No data available

**Further information**

: Health injuries are not known or expected under normal use.

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**SECTION 12: Ecological information****12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

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**12.6 Other adverse effects**

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Advice on disposal and packaging : Disposal:  
In accordance with local and national regulations. Do not dispose of waste into sewer. Do not dispose of together with household waste. Waste codes should be assigned by the user based on the application for which the product was used.

The following Waste Codes are only suggestions:

Waste Code (EWC) : Waste Key (unused product):  
130205, mineral-based non-chlorinated engine, gear and lubricating oils

Waste key (used product):  
120112, spent waxes and fats

Disposal of uncleaned packaging : Waste key (uncleaned packaging):  
150110, packaging containing residues of or contaminated by dangerous substances

Note: Empty containers should be taken to an approved waste handling site for recycling or disposal. Dispose of as unused product.

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**SECTION 14: Transport information****14.1 UN number**

**ADN**

Not dangerous goods

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

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Not dangerous goods

**14.2 Proper shipping name**

**ADN**

Not dangerous goods

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.3 Transport hazard class(es)**

**ADN**

Not dangerous goods

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.4 Packing group**

**ADN**

Not dangerous goods

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.5 Environmental hazards**

**ADN**

Not dangerous goods

**ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

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Not dangerous goods

**14.6 Special precautions for user**

see chapter: 6, 7 and 8

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso II - Directive : Update: 2003  
2003/105/EC amending Council Directive 96/82/EC does not apply  
Directive 96/82/EC on the control of major-accident hazards involving dangerous substances

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	: Update:	Quantity 1	Quantity 2
	Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams)	2.500 t	25.000 t

Further information : Reserved for industrial and professional use.

**15.2 Chemical Safety Assessment**

No data available

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**SECTION 16: Other information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a 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.

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