



SAFETY DATA SHEET

Radweld Plus

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

1.1. Product identifier

Product name	**Radweld Plus**
Product number	*RW2RG*, 52032050001, *RW2RGA*, 52032040002, 52032060022, HREP1001A
Internal identification	linked to new formula 14161 borax free jan 2011
REACH registration notes	This is a MIXTURE; no registration information contained in this document . Holts are classed as Downstream User.

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

Identified uses	Car maintenance product.
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1.3. Details of the supplier of the safety data sheet

Supplier	A Holts Car Care Product Holt Lloyd International Ltd Barton Dock Road Stretford Manchester M32 0YQ - England, UK +44 (0) 161 866 4800 FAX +44 (0) 161 866 4854 www.holtsauto.com
Contact person	Contact Email address: info@holtsauto.com

1.4. Emergency telephone number

Emergency telephone	UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs
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National emergency telephone number <https://poisoncentres.echa.europa.eu/>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2. Label elements

Hazard statements	NC Not Classified
Precautionary statements	P102 Keep out of reach of children. P101 If medical advice is needed, have product container or label at hand. P501 Dispose of contents/ container in accordance with local regulations.

2.3. Other hazards

****Radweld Plus****

The product does not contain
any substance that is
classified as PBT or vPvB

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

ETHANOL	1-5%
CAS number: 64-17-5	EC number: 200-578-6
Classification Flam. Liq. 2 - H225	
Triethanolamine	1-5%
CAS number: 102-71-6	EC number: 203-049-8
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	
2-Methoxymethylethoxypropanol	1-5%
CAS number: 34590-94-8	EC number: 252-104-2
Classification Not Classified	
Naphtha (petroleum), Light Aromatic	1-5%
CAS number: 64742-95-6	EC number: 265-199-0
Classification Flam. Liq. 3 - H226 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411	

The full text for all hazard statements is displayed in Section 16.

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

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

****Radweld Plus******4.2. Most important symptoms and effects, both acute and delayed****4.3. Indication of any immediate medical attention and special treatment needed****SECTION 5: Firefighting measures****5.1. Extinguishing media**

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture**5.3. Advice for firefighters****SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.2. Environmental precautions**

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)**SECTION 8: Exposure controls/Personal protection****8.1. Control parameters****Occupational exposure limits****ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

Short-term exposure limit (15-minute): WEL

2-Methoxymethylethoxypropanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³

Sk

METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

NON HAZARDOUS INGREDIENTS

Ingredient comments WEL = Workplace Exposure Limits

****Radweld Plus******8.2. Exposure controls****Protective equipment****Appropriate engineering controls**

Provide adequate general and local exhaust ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Rubber (natural, latex). EN374

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

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

Appearance	Dark brown liquid containing suspended matter
Colour	Dark brown.
pH	pH (concentrated solution): ~7.5
Flash point	> 60°C
Relative density	~1.050 @ °C
Viscosity	~40-50cps @ °C

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 8 %.
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SECTION 10: Stability and reactivity**10.1. Reactivity****10.2. Chemical stability**

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions**10.4. Conditions to avoid**

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5. Incompatible materials**10.6. Hazardous decomposition products**

Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂).
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SECTION 11: Toxicological information

****Radweld Plus******11.1. Information on toxicological effects**

Toxicological effects No data recorded.

Acute toxicity - oral

ATE oral (mg/kg) 178,537.42

Acute toxicity - dermal

ATE dermal (mg/kg) 178,537.42

Acute toxicity - inhalation

ATE inhalation (gases ppm) 416,587.32

ATE inhalation (vapours mg/l) 1,785.37

ATE inhalation (dusts/mists mg/l) 297.56

Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Inhalation No specific health hazards known.

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged and frequent contact may cause redness and irritation.

Eye contact May cause eye irritation.

Acute and chronic health hazards This product has low toxicity.

Route of exposure Skin and/or eye contact

SECTION 12: Ecological information

****Radweld Plus****

Ecotoxicity Not regarded as dangerous for the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity**12.2. Persistence and degradability**

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No specific test data are available.

12.4. Mobility in soil

Mobility The product is partly soluble in water and may spread in the aquatic environment.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

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

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

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

National regulations	EH40/2005 Workplace exposure limits.
EU legislation	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 (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. 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) (as amended).
Authorisations (Annex XIV Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Annex XVII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment**SECTION 16: Other information**

Revision date	02/08/2019
Revision	15
Supersedes date	29/08/2018
SDS number	13981
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.