

Revive Automotive Solutions Ltd.



Safety Data Sheet: Revive Turbo Cleaner Fluid

1. IDENTIFICATION

1.1 Product Identifier: REVIVE Turbo Cleaner & Power Restorer

Other Names: None

1.2 Use: Aqueous based cleaning agent, For use as a gas path cleaner of automotive turbo-charger units

1.2.1 The product should only be used for the cleaning automotive turbo-charger as directed in the product instructions.

1.3 Supplier:-

Name: Revive Automotive Solutions Ltd

Address: PO Box 3487, Chippenham, Wiltshire, SN15 9FH. UK

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1.4 EMERGENCY TELEPHONE NUMBER : +44 (0)1225 701920 (office hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

2.1.1 Not classified as dangerous according to EC Directives 67/548/EEC or 1999/45/EC
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

2.2 Label Elements

2.2.1 Non-hazardous substance due to low concentrations used in the aqueous matrix

2.3 Other hazards: Spills can make the floor slippery

3. COMPOSITION

3.1 Substance: Not Applicable

3.2 Mixture: Non-ionic detergent with Glycol carrier material in an aqueous matrix.

4. FIRST AID MEASURES

4.1 DO NOT give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

4.1.1 Skin: Wash thoroughly with water. Apply hand cream to any irritated areas. Contaminated clothing should be removed and washed.



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- 4.1.2 Eye:** Irrigate with running water for a minimum of 10 minutes or until discomfort is relieved. Seek medical attention if discomfort persists.
- 4.1.3 Inhalation:** No effect unless inhaled as an atomised mist, in which case remove to fresh air. Seek medical attention if exposure was severe.
- 4.1.4 Ingestion:** Drink copious amounts of water. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

- 5.1 Flammability:** Not flammable (aqueous).
Suitable extinguishing media: If the product is involved in a fire, any normal extinguishing media may be used.
- 5.2 Hazards from combustion:** None
- 5.3 Precautions for the fighters and special protective equipment:** Will make the floor very slippery

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Emergency procedures:** Avoid contact with skin, eyes or clothing.
- 6.1.1 Protective equipment:** Rubber gloves, Protective Glasses, Respiratory – not required.
- 6.2 Environmental Precautions:** Prevent from entering water course by use of bunds and absorbent.
- 6.3 Contamination and clean up:-**
- 6.3.1** Absorb with inert material.
 - 6.3.2** Dispose of unused or recovered product in accordance with local regulations/requirements. Contact local authorities or a reputable waste disposal company for local requirements.
 - 6.3.3** Do not allow to enter a public sewer or a watercourse.

7. HANDLING AND STORAGE

- 7.1 Handling:** Protective gloves are recommended if the product is to be handled over a prolonged period or if the user has sensitive skin.
Safety glasses should be worn, in case of eye contact. Rinse thoroughly with clean, cold water to alleviate discomfort. Wash hands after use and before eating.
- 7.2 Storage:** Store in original sealed containers. Prevent from freezing. Prevent spills entering a drain leading to a public sewer or watercourse.
- 7.3 Specific end uses:** Waste or used product should be disposed of correctly under local regulations

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Control parameters:-**
- 8.1.1** Exposure standards: No information available.

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8.1.2 Engineering controls: None required. Normal ventilation is adequate.

8.1.3 Exposure limits during intended use : No information available.

8.1.4 DNEL/PNEC values : No information available

8.2 Exposure controls:

8.2.1 **Appropriate engineering controls** : Normal ventilation is adequate, refer to OEM injection equipment for its proper use.

8.2.2 Personal protective equipment:

8.2.2.1 Respiratory protection: Not necessary

8.2.2.2 **Hand protection:** Rubber gloves are recommended if the product is to be handled over a prolonged period or if the user has sensitive skin.



8.2.2.3 **Eye protection:** Safety glasses will prevent the possibility of any of the product being splashed into the eyes.



8.2.2.4 **Skin protection:** No special skin protection is necessary when using the product under normal working conditions

8.2.3 Environmental exposure controls:-

8.2.3.1 Prevent product from entering a watercourse.

8.2.4 **Consumer exposure control** : No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

9.1.1 **Appearance:** Brown

Physical state: Clear Fluid

Odour: Slight odour

9.1.2 Safety relevant basic data

Initial Boiling point(thermometer) : 100 °C -105 °C

Flash point (Pensky Martens): >400°C

Auto ignition temperature: >400 °C

Freezing Point (thermometer): -3 °C

9.1.3 **Physical hazards:** Explosive properties: None

Oxidising properties: None



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Explosive properties: None
Flammability properties: None
Metal corrosion: None

9.2 Other safety information: None

10. STABILITY AND REACTIVITY

10.1 Reactivity: None known
10.2 Chemical stability: Stable
10.3 Possibility of hazardous reactions: None known
10.4 Conditions to avoid: Prevent from freezing
10.5 Incompatible materials: None known
10.6 Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects: No information available

Eye: May be irritating to eyes
Skin: May cause skin irritation. No evidence to indicate product is a skin sensitizer.
Swallowed: May cause irritation of digestive tract if not treated promptly (dilution with water)
Inhaled: Spray or mist may cause respiratory tract irritation
Chronic: No information available

The product is categorised as non-toxic. This product contains no ingredients considered to be carcinogenic, mutagenic or teratogenic by OSHA, ACGIH, IARC and NTP.

12. ECOLOGICAL INFORMATION

12.1 Toxicity: Not considered to be ecotoxic.

12.1.1 Aquatic toxicity: (No information available)

12.1.2 Sediment toxicity: (N/A surfactant – not adsorbed)

12.1.3 Terrestrial toxicity: (No information available)

12.1.4 Additional environmental impacts:

12.2 Persistence and degradability: Biodegradable

Abiotic Degradation (No information available)



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- 12.3 Bio-accumulative potential:** Bio-concentration Factor (BCF) N/A - surfactant
Partition coefficient n-octanol/water (log P_{ow}) N/A- surfactant
- 12.4 Mobility in soil:** Not adsorbed on to soil particles
- 12.5 Results of PBT and vPvB assessment:** Not classified as PBT
- 12.6 Other adverse effects:** none known
- 12.7 Additional information:** none

13. DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods:** Dispose of unused or recovered or spilled product in accordance with local Regulations/requirements.
Contact local authority or a reputable waste disposal company for local requirements.

14. TRANSPORT INFORMATION

- 14.1 Land transport:** Not classified as dangerous goods for transport
- 14.2 Sea transport:** Not classified as dangerous goods for transport
- 14.3 Air transport:** Not classified as dangerous goods for transport
- Hazard Code:** None

15. REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- 15.1.1 EU regulations:** Pre-registration according to Regulation (EC) 1907/2006 (Reach)
This product is a polymer as defined in Art. 3 (5) of the Reach regulation and is exempt from pre-registration/registration. We confirm that all monomers and other reactants have been pre-registered by the OEM and their suppliers.
The product requires no formal warnings or symbols as specified in CHIP 1993, regulation 9. It is labelled as non-flammable, non-toxic, biodegradable, negligible environmental toxicity.
- 15.2 Chemical Safety Assessment:** Has not been carried out on this product.



16. OTHER INFORMATION

- 16.1 Indication of changes:** Reviewed in line with Guidance on the compilation of Safety Data Sheets- Version 2.1
- 16.2 Abbreviations and acronyms:** None
- 16.3 Key literature references and sources for data:** Prepared using information from suppliers of ingredients and from publicly available data bases and in-house testing.

The purpose of the above information is to describe the product only in terms of health and safety requirements.

This information is accurate to the best of our knowledge and no warranty is expressed or implied. Users should satisfy themselves on the suitability and completeness of the information for their own particular use.

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