Safety Data Sheet: Revive - Turbo Cleaner Fluid



Date: July 2017

1. IDENTIFICATION

1.1 Product Identifier: REVIVE

Other Names: 1449-9000, 1449-9001, 1449-9011, 1449-9140, 1449-9141, 1449-9300, 1449-9400,

1449-9401, BIG-T, Service Shot, 1449-9210, ReViVe Refill, ReViVe Starter Kit.

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 4035, Melksham, Wiltshire, SN12 9BB. UK

Telephone: +44 (0)1225 706103

Email: sales@reviveturbocleaner.com

1.4 EMERGENCY TELEPHONE NUMBER: +44 (0)1225 706103 (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.

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

clothing should be removed and washed.

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

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water to alleviate discomfort. Wash hands after use and before eating.

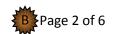
7.2 Storage: Store in original sealed containers. Prevent from freezing. Prevent spills entering a

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:-



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- **8.1.1** Exposure standards: No information available.
- **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.



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- **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): >200 °C Auto ignition temperature: >200 °C Freezing Point (thermometer): -3 °C



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9.1.3 Physical hazards: Explosive properties: None

Oxidising properties: None 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 known10.6 Hazardous decomposition products: None known

11. TOXICOLOGIAL 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

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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 Pow) 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)

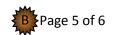
This product is a polymer as defined in Art. 3 (5) of the Reach regulation and is exempt from pre-registration/registration. We confirm that all monomers and other reactants

have been pre-registered by the OEM and their suppliers.

The product requires no formal warnings or symbols. 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.



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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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