

SAFETY DATA SHEET

1. Identification

| | |
|--------------------------------------|--|
| Product identifier | Fo-Poxy (Radiator Seal) |
| Other means of identification | Product Codes : Neutral, Aluminium and Copper |
| Recommended use | Sealant. For further information, Refer to the Product Technical Data Sheet. |
| Recommended restrictions | None known. |

Manufacturer/Importer/Supplier/Distributor information Supplier

| | |
|-------------------------------|--|
| Company name | AQUADRA FORSPEC PVT. LTD. |
| Address | K-43, MIDC Tarapur, Boisar – 401506, Dist.: Palghar, Maharashtra, INDIA |
| Telephone | 91 - 9820 393 292 |
| Email | aquadraforspec@gmail.com |
| Emergency Phone Number | International: +91 – 9820 393 292 |

2. Hazard(s) identification

| | |
|--------------------------------|---|
| Physical hazards | Not classified. |
| Health hazards | Not classified |
| Environmental hazards | Hazardous to the aquatic environment, acute hazard Category 1 Hazardous to the aquatic environment, long-term hazard Category 2 |
| OSHA defined hazards | Not classified. |
| Label Elements: | |
| Hazard Symbol | None |
| Signal word | None |
| Hazard statement | Toxic to aquatic life with long lasting effects. |
| Precautionary statement | |
| Prevention | Use with adequate ventilation. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take off contaminated clothing and wash before reuse. Collect spillage. |
| Storage | Store locked up. Store away from incompatible materials. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information 6.64% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 6.64% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

3. Composition/information on ingredients

Mixtures

| Chemical name | CAS number | % |
|------------------|------------|-------|
| Aluminium Powder | 7429-90-6 | 0 - 6 |
| Copper Powder | 7440-50-8 | 0 - 6 |

All concentrations are in percent by weight.

Specific chemical identity and/or percentage of composition has been withheld as a trade secret

4. First-aid measures

| | |
|---|---|
| Inhalation | If breathing is difficult. Move to fresh air. Call a physician if symptoms develop or persist. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. If irritation develops and persists, seek medical attention and take along these instructions. Wash contaminated clothing before reuse. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Provide eyewash station. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| Most important symptoms/effects, acute and delayed | Direct contact with eyes may cause irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Discomfort in the chest. Shortness of breath. May cause an allergic skin reaction. Dermatitis. Rash. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. |
| General information | If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. |

5. Fire-fighting measures

| | |
|--|---|
| Suitable extinguishing media | Water fog, Foam, Dry chemical powder, Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher as this may spread the fire. |
| Specific hazards arising from the chemical | During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire fighting equipment/instructions | Move containers from fire area if you can do so without risk. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| General fire hazards | No unusual fire or explosion hazards noted. |
| Flash Point | > 500°F |

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Prevent product from entering drains. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value | Form |
|---------------------------------|------|-----------------------|----------------|
| Aluminum Powder (CAS 7429-90-6) | PEL | 15 mg/m ³ | Dust and Mist. |
| Copper Powder (CAS 7440-50-8) | PEL | 0.2 mg/m ³ | Fume. |
| | | 1 mg/m ³ | Dust and Mist. |
| | | 0.1 mg/m ³ | Fume. |

US. OSHA Table Z-3 (29 CFR 1910.1000)

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value | Form |
|----------------------------------|------|----------------------|----------------|
| Aluminium Powder (CAS 7429-90-6) | TWA | 15 mg/m ³ | Dust and Mist. |
| Copper Powder (CAS 7440-50-8) | TWA | 1 mg/m ³ | Dust and Mist |

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

Fo-Poxy (Radiator Seal)

Version #: 02

Revision date: - 11-September-2025

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Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|---|
| Eye/face protection | Wear safety glasses with side shields (or goggles) |
| Skin protection | |
| Hand protection | Wear protective gloves such as: Rubber (natural, latex) |
| Other | Wear suitable protective clothing |
| Respiratory protection | Chemical respirator with organic vapor cartridge and full facepiece. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Observe any medical surveillance requirements. 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. Contaminated work clothing should not be allowed out of the workplace. |

9. Physical and chemical properties**Appearance**

| | |
|-----------------------|----------------------------|
| Physical state | Powder |
| Form | Powder |
| Color | Brown / Aluminium / Copper |
| Odor | Low |

| | |
|--|-----------------|
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling Pt/ boiling range | Not Applicable. |
| Flash point | > 500°F |
| Evaporation rate | N/A |
| Flammability (solid, gas) | Not applicable. |

Upper/lower flammability or explosive limits

| | |
|-----------------------------------|----------------|
| Flammability limit- lower% | Not available. |
| Flammability limit-upper% | Not available. |

| | |
|------------------------------------|----------------|
| Explosive limit - lower (%) | Not available. |
| Explosive limit - upper (%) | Not available. |

| | |
|--|----------------------------------|
| Vapor pressure | Not Applicable. |
| Vapor density | Not Applicable. |
| Relative density | 0.2 – 1.1gms/cc (@77 °F (25 °C)) |
| Solubility(ies) Solubility (water) | Negligible. |
| Partition coefficient (n-octanol/water) | Not available. |

| | |
|----------------------------------|----------------|
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Powder |
| Viscosity temperature | 77 °F (25 °C) |

Other information

| | |
|-----------------------------|----------------|
| Explosive properties | Not Explosive |
| Oxidizing properties | Not Oxidizing |
| Percentage Volatile | Not Applicable |

10. Stability and reactivity

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|---|--|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Contact with incompatible materials. Avoid extremely high temperatures. Freezing temperatures. Moisture. |
| Incompatible materials | Strong Acids, strong Bases, Chlorine. |
| Hazardous decomposition products | Carbon Oxides. |

11. Toxicological information

Information on likely routes of exposure

| | |
|---------------------|--|
| Inhalation | May cause irritation through prolonged or repeated exposure by inhalation. |
| Skin contact | May cause slight skin irritation. |
| Eye contact | May cause eye irritation. |
| Ingestion | May cause gastrointestinal irritation, low ingestion hazard. |

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Discomfort in the chest. Shortness of breath. Prolonged exposure may cause dermatitis / rash..

Information on toxicological effects

Acute toxicity Not Available.

| Components | Species |
|-------------------|----------------|
|-------------------|----------------|

Aluminium Powder (CAS 7429-90-6)

Acute

Inhalation

| | | |
|------|-----|------------------------------|
| LD50 | Rat | 600 mg/kg, 4 Hours estimated |
|------|-----|------------------------------|

Oral

| | | |
|------|-----|------------------------|
| LD50 | Rat | > 3000 mg/kg estimated |
|------|-----|------------------------|

Copper Powder (CAS 7440-50-8)

Acute

Inhalation

| | | |
|------|-----|------------------------------|
| LD50 | Rat | 550 mg/kg, 4 Hours estimated |
|------|-----|------------------------------|

Oral

| | | |
|------|-----|----------------------|
| LD50 | Rat | 2536 mg/kg estimated |
|------|-----|----------------------|

| | |
|---|--|
| Skin corrosion/irritation | Causes skin irritation.. |
| Serious eye damage/eye irritation | Causes eye irritation. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | Not cause skin sensitization.. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity - Single exposure | Not Classified |
| Specific target organ toxicity - Repeated exposure | Not Classified |
| Aspiration hazard | Not an aspiration hazard. |
| Chronic effects | Prolonged inhalation may be harmful. |

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|----------------------------------|------|--|----------------------|
| Aluminium Powder (CAS 7429-90-6) | | | |
| Aquatic | | | |
| Acute | | | |
| Crustacea | EC50 | Greasyback shrimp (Metapenaeus ensis) Salmo gairdneri | 0.09 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout, donaldson trout (Oncorhynchus mykiss) | 0.075 mg/l, 96 hours |
| Copper Powder (CAS 7440-50-8) | | | |
| Aquatic | | | |
| Acute | | | |
| Crustacea | EC50 | Water flea (Daphnia magna), Salmo gairdneri | 0.03 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout, donaldson trout (Oncorhynchus mykiss) | 0.052 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

| | |
|--------------------------------------|---|
| Persistence and degradability | No data is available on the degradability of this product. |
| Bioaccumulative potential | No data available. |
| Mobility in soil | No data available |
| Other adverse effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

13. Disposal consideration

| | |
|--|---|
| Disposal of waste from residues / unused products | This product is not a RCRA hazardous waste (See 40 CFR Part 261.20 – 261.33). Empty containers may be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations. |
| Hazardous waste code | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| Waste from residues / Unused products | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe Manner. (see Disposal instructions). |
| Contaminated Packaging | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

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

15. Regulatory information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|------------------|------------|----------|
| Copper Powder | 7440-50-8 | 0 - 6 |
| Aluminium Powder | 7429-90-6 | 0 - 6 |

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Copper Powder (CAS 7440-50-8)

Aluminium Powder (CAS 7429-90-6)

US. New Jersey Worker and Community Right-to-Know Act

Copper Powder (CAS 7440-50-8)

Aluminium Powder (CAS 7429-90-6)

US. Pennsylvania Worker and Community Right-to-Know Law

Aluminum Powder (CAS 7429-90-6)

Copper Powder (CAS 7440-50-8)

US. Rhode Island RTK

Aluminum Powder (CAS 7429-90-6)

Copper Powder (CAS 7440-50-8)

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.


International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|---------------------|---|
| Issue date | 03-February-2025 |
| Revision date | 11-September-2025 |
| Version # | 02 |
| Further information | HMIS Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard NFPA Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe |
| HMIS® ratings | Health: 1 Flammability: 1 Physical hazard: 0 |
| NFPA ratings |  |

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