



DT-FWR 048

Revision: 07.21.2020

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

1.1 Product identifier

Trade name: DT-FWR 048

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

Finishing agent for water and oil repellency for the textile sector.

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier:

OSM Shield, LLC

97 Main Street Suite W-202

Edwards, CO 81632

Further information obtainable from: www.osmshield.com

1.4 Emergency telephone number:

OSM Shield (US): +19703908717

Chemtrec (for emergencies): 1-800-424-9300

Outside of US: 001-703-527-3887

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as hazardous pursuant to the provisions set forth in EC regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

2.2 Label elements

Hazard pictograms: *None*

Signal words: *None*

Hazard Statements: *None*

Precautionary statements: *None*

2.3 Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

The product does not contain substances classified as being hazardous to human health or the environment pursuant to the provisions Regulation (EU) 1272/2008 (CLP) (and subsequent amendments and supplements) in such quantities as to require the statement.

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SECTION 4: First aid measures

4.1 Description of first aid measures

Eyes: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

Skin: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

Inhalation: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

Ingestion: Get medical attention/advice. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorized by a doctor.

4.2 Most important symptoms and effects, both acute and chronic:

Information not available.

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

Information not available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: The extinguishing equipment should of the conventional kind: carbon dioxide, foam, powder and water spray.

5.2 Special hazards arising from the substance or mixture:

Do not breathe combustion products.

Potential hazardous decomposition products include: carbon oxides, nitrogen oxides (NOx), hydrofluoric acid.

5.3 Advice for firefighters:

General information:

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health.

Always wear full fire prevention gear.

Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

Special protective equipment for firefighters:

Normal fire fighting clothing i.e. fire kit (BS EN 496), gloves (BS EN. 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Block the leakage if there is no hazard.

Wear suitable protective equipment (including PPE referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

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6.2 Environmental precautions:

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up:

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use.

7.2 Conditions for safe storage, including any incompatibilities:

Keep the product in clearly labelled containers. Keep containers away for any incompatible materials, see section 10 for details.

7.3 Specific end use(s):

Information not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Information not available.

8.2 Exposure controls:

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

Hand protection:

In the case of prolonged contact with the product, protect the hands with penetration-resistant work gloves (see standard EN 374).

Work glove material must be chosen according to the use process and the products that may form. Latex gloves may cause sensitivity reactions.

Skin protection:

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 203044). Wash body with soap and water after removing protective clothing.

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Eye protection:*Wear airtight protective goggles (see standard EN 166).***Respiratory protection:***Use a type P filtering facemask, whose class (1, 2 or 3) and effective need, must be defined according to the outcome of risk assessment (see standard EN 149).***Environmental exposure controls:***The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.***SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties General Information**Appearance:** *Dispersion***Color:** *Milky white to yellowish***Odor:** *Characteristic***Odor threshold:** *Not available***pH-value at 25 °C:** *3 - 5.5***Melting point/freezing point:** *Not available***Initial boiling point and boiling range:** *100 °C (Water)***Flash point:** *> 100 °C***Flammability (solid, gas):** *Not available***Evaporation rate:** *Not available***Decomposition temperature:** *Not available***Auto-ignition temperature:** *Not available***Explosive properties:** *Not available***Lower explosive limit:** *Not available***Upper explosive limit:** *Not available***Vapour pressure:** *Not available***Relative density:** *Not available***Vapour density:** *Not available***Solubility in / Miscibility with water:** *Miscible in water***Partitioncoefficient: n-octanol/water:** *Not available***SECTION 10: Stability and reactivity**

10.1 Reactivity:*There are no particular risks of reaction with other substances in normal conditions of use.***10.2 Chemical stability:***The product is stable in normal conditions of use.***10.3 Possibility of hazardous reactions:***No hazardous reactions are foreseeable in normal conditions of use and storage.***10.4 Conditions to avoid:***None in particular. However, the usual precautions used for chemical products should be respected.*

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10.5 Incompatible materials:*Information not available.***10.6 Hazardous decomposition products:***Information not available.***SECTION 11: Toxicological information**

11.1 Information on toxicological effects**Acute oral toxicity LD50 > 2,000 mg / kg (rat)****Method:** *Test result of a similar preparation.***No skin irritation (rabbit)****Method:** *Test result of a similar preparation.***No eye irritation (rabbit)****Method:** *Test result of a similar preparation.***Sensitization (mouse)****Method:** *Test result of a similar preparation.***11.2 Metabolism, toxicokinetics, mechanism of action and other information:***Information not available.***11.3 Information on likely routes of exposure:***Information not available.***11.4 Delayed and immediate effects as well as chronic effects from short and long-term exposure:***Information not available.***11.5 Interactive effects:***Information not available.***11.6 Acute toxicity:****LC50 (Inhalation) of the mixture:** *Not classified (no significant component)***LD50 (Oral) of the mixture:** *Not classified (no significant component)***LD50 (Dermal) of the mixture:** *Not classified (no significant component)***Skin corrosion / irritation:** *Does not meet the classification criteria for this hazard class.***Serious eye damage / irritation:** *Does not meet the classification criteria for this hazard class.***Respiratory or skin sensitization:** *Does not meet the classification criteria for this hazard class.***Germ cell mutagenicity:** *Does not meet the classification criteria for this hazard class.***Carcinogenicity:** *Does not meet the classification criteria for this hazard class.***Reproductive toxicity:** *Does not meet the classification criteria for this hazard class.***STOT - single exposure:** *Does not meet the classification criteria for this hazard class.***STOT - repeated exposure:** *Does not meet the classification criteria for this hazard class.***Aspiration hazard:** *Does not meet the classification criteria for this hazard class.*



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SECTION 12: Ecological information

12.1 Toxicity:

Information not available.

12.2 Persistence and degradability:

Information not available.

12.3 Bioaccumulative potential:

Information not available.

12.4 Mobility in soil:

Information not available.

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%.

12.6 Other adverse effects:

Information not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: Transport information

14.1 UN-Number:

Not applicable.

14.2 UN proper shipping name:

Not applicable.

14.3 Transport hazard class(es):

Not applicable.

14.4 Packing group:

Not applicable.

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user:

Not applicable.



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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:*Information not relevant.***SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**Seveso Category – Directive 2012/18/EC:***None.***Substances in Candidate List (Art. 59 REACH):***On the basis of available data, the product does not contain any SVHC in percentage greater than 0.1%.***Substance subject to authorization (Annex XIV REACH):***None.***Substances subject to exportation reporting pursuant to (EC) reg. 649/2012:***None.***Substances subject to the Rotterdam Convention:***None.***Substances subject to the Stockholm Convention:***None.***Healthcare controls:***Information not available.***15.2 Registration status:***US (TSCA): All compounds are listed.***15.3 Chemical safety assessment:***A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.***SECTION 16: Other information**

The product is for the industrial use only. We do not guarantee the safety in case the product is used for the other purposes. When using the product for health-care application or food/feed application, consult us in advance. This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing SDS: EHS Department**Contact:** www.osmshield.com**Abbreviations and acronyms:***LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative*