

SAFETY DATA SHEET**Phosphate Wipe**

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name Phosphate Wipe

Product number D3519

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

Identified uses IRON PHOSPHATING

1.3. Details of the supplier of the safety data sheet

Supplier ORAPI APPLIED LIMITED,
SPRING ROAD,
SMETHWICK,
WEST MIDLANDS, B66 1PT, ENGLAND
Tel: 0121-525-4000
Fax: 0121-525-4919
lee.baughan@orapi.com

Contact person Lee Baughan

1.4. Emergency telephone number

Emergency telephone 0121 525 4000 (09:00 - 17:00 hrs)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification (SI 2019 No. 720)**

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements EUH208 Contains SODIUM 3-NITROBENZENESULPHONATE. May produce an allergic reaction.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

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

Composition comments None of the ingredients are required to be listed.

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

Inhalation No specific recommendations.

Ingestion Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Phosphate Wipe

Eye contact Remove any contact lenses and open eyelids wide apart. Rinse cautiously with water for several minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation No significant hazard at normal ambient temperatures.

Ingestion No harmful effects expected from quantities likely to be ingested by accident.

Skin contact May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact May cause temporary eye irritation.

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

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Special protective equipment for firefighters Use protective equipment appropriate for surrounding materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes. Wear protective clothing and gloves.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Do not discharge into drains or watercourses or onto the ground. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect and place in suitable waste disposal containers and seal securely. Dispose of waste via a licensed waste disposal contractor.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid contact with skin and eyes. Wear protective clothing and gloves.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions No special storage precautions required.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

Phosphate Wipe

8.1. Control parameters

Occupational exposure limits

Phosphoric acid ... %

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit.

SODIUM DIHYDROGENPHOSPHATE (CAS: 7558-80-7)

DNEL	Workers - Inhalation; Long term systemic effects: 4.07 mg/m ³ General population - Inhalation; Long term systemic effects: 3.04 mg/m ³
PNEC	- STP; 50 mg/l

Phosphoric acid ... % (CAS: 7664-38-2)

DNEL	Workers - Inhalation; Long term systemic effects: 10.7 mg/m ³ Workers - Inhalation; Long term local effects: 1 mg/m ³ Workers - Inhalation; Short term local effects: 2 mg/m ³ General population - Inhalation; Long term systemic effects: 4.57 mg/m ³ General population - Inhalation; Long term local effects: 0.36 mg/m ³ General population - Oral; Long term systemic effects: 0.1 mg/kg/day
-------------	--

SODIUM 3-NITROBENZENESULPHONATE (CAS: 127-68-4)

DNEL	Workers - Inhalation; Long term local effects: 5 mg/m ³ Workers - Inhalation; Short term local effects: 5 mg/m ³ Workers - Dermal; Long term systemic effects: 97.6 mg/kg/day General population - Dermal; Long term systemic effects: 29.3 mg/kg/day General population - Oral; Long term systemic effects: 2.93 mg/kg/day
PNEC	- Fresh water; 0.5 mg/l - marine water; 0.05 mg/l - Intermittent release; 5 mg/l - Sediment (Freshwater); 2.58 mg/kg - Sediment (Marinewater); 0.258 mg/kg - Soil; 0.222 mg/kg - STP; 10000 mg/l

FLUOROBORIC ACID ...% (CAS: 16872-11-0)

DNEL	Workers - Inhalation; Long term systemic effects: 0.173 mg/m ³ Workers - Dermal; Long term systemic effects: 0.046 mg/kg/day General population - Inhalation; Long term systemic effects: 0.043 mg/m ³ General population - Dermal; Long term systemic effects: 0.023 mg/kg/day General population - Oral; Long term systemic effects: 0.023 mg/kg/day
-------------	--

AMINO-TRIS(METHYLENEPHOSPHONIC ACID) (CAS: 6419-19-8)

Phosphate Wipe

DNEL

Workers - Inhalation; Long term systemic effects: 9.7 mg/m³
 Workers - Inhalation; Short term systemic effects: 9.7 mg/m³
 Workers - Dermal; Long term systemic effects: 2.75 mg/kg/day
 Workers - Dermal; Short term systemic effects: 2.75 mg/kg/day
 General population - Inhalation; Long term systemic effects: 2.39 mg/m³
 General population - Inhalation; Short term systemic effects: 2.39 mg/m³
 General population - Dermal; Long term systemic effects: 1.38 mg/kg/day
 General population - Dermal; Short term systemic effects: 1.38 mg/kg/day
 General population - Oral; Long term systemic effects: 1.38 mg/kg/day
 General population - Oral; Short term systemic effects: 1.38 mg/kg/day

PNEC

- Fresh water; 0.46 mg/l
- marine water; 0.046 mg/l
- STP; 20 mg/l
- Sediment (Freshwater); 150 mg/kg
- Sediment (Marinewater); 15 mg/kg
- Soil; 244 mg/kg

Sodium Nitrite (CAS: 7632-00-0)

DNEL

Industry - Inhalation; Short term systemic effects: 2 mg/m³
 Industry - Inhalation; Long term systemic effects: 2 mg/m³

PNEC

- Fresh water; 0.005 mg/l
- Fresh water, Intermittent release; 0.005 mg/l
- marine water; 0.006 mg/l
- STP; 21 mg/l
- Sediment (Freshwater); 0.019 mg/kg
- Sediment (Marinewater); 0.022 mg/kg
- Soil; 0.001 mg/kg

Boric Acid (CAS: 10043-35-3)

DNEL

Workers - Inhalation; Long term systemic effects: 8.3 mg/m³
 Workers - Dermal; Long term systemic effects: 392 mg/kg/day
 General population - Inhalation; Long term systemic effects: 4.15 mg/m³
 General population - Dermal; Long term systemic effects: 196 mg/kg/day
 General population - Oral; Long term systemic effects: 0.98 mg/kg/day

PNEC

- Fresh water; 2.9 mg/l
- marine water; 2.9 mg/l
- Intermittent release; 13.7 mg/l
- STP; 10 mg/l
- Soil; 5.7 mg/kg

PHOSPHONIC ACID (CAS: 13598-36-2)

DNEL

Workers - Inhalation; Long term systemic effects: 2.94 mg/m³
 Workers - Dermal; Long term systemic effects: 0.83 mg/kg/day
 General population - Inhalation; Long term systemic effects: 0.72 mg/m³
 General population - Dermal; Long term systemic effects: 0.42 mg/kg/day
 General population - Oral; Long term systemic effects: 0.42 mg/kg/day

PNEC

- Fresh water; 153 µg/l
- Fresh water, Intermittent release; 1.53 mg/l
- marine water; 15.3 µg/l

Phosphate Wipe

8.2. Exposure controls

Protective equipment



Eye/face protection	No specific eye protection required during normal use.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear suitable coveralls to prevent exposure to the skin.
Hygiene measures	Wash after use and before eating, smoking and using the toilet.
Respiratory protection	No specific requirements are anticipated under normal conditions of use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid-impregnated wipe.
Colour	White.
pH	pH (concentrated solution): 5.4
Relative density	1.020 @ 20°C

9.2. Other information

Other information	None.
-------------------	-------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
------------	---

10.2. Chemical stability

Stability	No particular stability concerns.
-----------	-----------------------------------

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
------------------------------------	---

10.4. Conditions to avoid

Conditions to avoid	Avoid contact with the following materials: Alkalis.
---------------------	--

10.5. Incompatible materials

Materials to avoid	Avoid contact with alkalis.
--------------------	-----------------------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂).
----------------------------------	---

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

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

Phosphate Wipe

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 May cause sensitisation or allergic reactions in sensitive individuals.

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.

Specific target organ toxicity - single exposure

STOT - single exposure Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity Not considered toxic to fish.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility No data available.

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 Avoid the spillage or runoff entering drains, sewers or watercourses. Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Transport information

Phosphate Wipe

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 Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment
Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Phosphate Wipe

Abbreviations and acronyms used in the safety data sheet	ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
	ATE: Acute Toxicity Estimate.
	CAS: Chemical Abstracts Service.
	DNEL: Derived No Effect Level.
	GHS: Globally Harmonized System.
	IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).
	ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
	IMDG: International Maritime Dangerous Goods.
	PBT: Persistent, Bioaccumulative and Toxic substance.
	PNEC: Predicted No Effect Concentration.
	REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.
	RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
	SVHC: Substances of Very High Concern.
	UN: United Nations.
	vPvB: Very Persistent and Very Bioaccumulative.
Revision date	14/06/2023
Revision	1
SDS status	Approved.
Hazard statements in full	EUH208 Contains SODIUM 3-NITROBENZENESULPHONATE. May produce an allergic reaction.
Signature	Health and Safety Manager

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.