

SAFETY DATA SHEET 515/Q113 - 2 PACK ZINC PHOSPHATE PRIMER - ACTIVATOR

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name 515/Q113 - 2 PACK ZINC PHOSPHATE PRIMER - ACTIVATOR

Product number 515/Q113/224 & 24 - ACTIVATOR

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

Identified uses Paint.

1.3. Details of the supplier of the safety data sheet

Supplier TEAL & MACKRILL LIMITED

LOCKWOOD STREET

HULL HU2 0HN

+44(0)1482 320194(T) +44(0)1482 219266(F) info@teamac.co.uk

Contact person Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 320194 Teamac (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SDS No. 10845

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Not Classified

Classification (67/548/EEC or -

1999/45/EC)

Human health The product contains a small amount of sensitising substance. May cause skin sensitisation

or allergic reactions in sensitive individuals.

Physicochemical When handled correctly, undamaged units represent no danger.

2.2. Label elements

Pictogram







Signal word

Danger

Hazard statements

H312+H332 Harmful in contact with skin or if inhaled.

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P261 Avoid breathing vapour/ spray.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.

P501 Dispose of contents/ container in accordance with national regulations.

Contains

XYLENE, 2-METHYLPROPAN-1-OL

Supplementary precautionary

statements

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P370+P378 In case of fire: Use alcohol resistant foam, carbon dioxide or dry powder to

extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

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

XYLENE 30-40%

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-

2119488216-32-xxxx

Classification

Classification (67/548/EEC or 1999/45/EC)

Xn;R20/21,R65. Xi;R36/37/38. R10.

Acute Tox. 4 - H312

Acute Tox. 4 - H332

Flam. Liq. 3 - H226

Skin Irrit. 2 - H315

2-METHYLPROPAN-1-OL 5-10%

CAS number: 78-83-1 EC number: 201-148-0

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 3 - H226 R10 Xi;R37/38,R41 R67

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air and keep warm and at rest in a position comfortable for

breathing. Never give anything by mouth to an unconscious person.

Inhalation Remove affected person from source of contamination. Move affected person to fresh air and

keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and

ensure breathing can take place.

Ingestion Give a few small glasses of water or milk to drink. Never give anything by mouth to an

unconscious person. Do not induce vomiting. Get medical attention if any discomfort

continues.

Skin contact Remove affected person from source of contamination. Rinse immediately with plenty of

water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide

apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue

to rinse.

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

General information Get medical attention promptly if symptoms occur after washing.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Extinguish with the following

media: Water spray, fog or mist. Foam, carbon dioxide or dry powder.

Unsuitable extinguishing

media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during

Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled

with water.

Special protective equipment

for firefighters

firefighting

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective

clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand,

earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate

regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry

sand or earth and place into containers. Collect and place in suitable waste disposal

containers and seal securely. For waste disposal, see Section 13.

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 inhalation of vapours. Avoid spilling. Avoid contact with skin and eyes. Do not eat, drink

or smoke when using the product. Good personal hygiene procedures should be

implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. The Manual Handling Operations Regulations may apply to the handling of containers of this product. For products sold by weight refer to the guide net weight indicated on the container. Allowance will have to be made for the immediate

packaging to give an approximate gross weight.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Store in

closed original container at temperatures between 5°C and 25°C. Protect from freezing and

direct sunlight. Keep containers upright.

7.3. Specific end use(s)

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

Usage descriptionCollect and place in suitable waste disposal containers and seal securely. Label the

containers containing waste and contaminated materials and remove from the area as soon

as possible.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

2-METHYLPROPAN-1-OL

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m³ Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m³

WEL = Workplace Exposure Limit

XYLENE (CAS: 1330-20-7)

DNEL Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day

> Consumer - Dermal; Long term systemic effects: 108 mg/kg/day Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³ Industry - Dermal; Long term systemic effects: 180 mg/kg/day Industry - Inhalation; Long term systemic effects: 77 mg/m³ Industry - Inhalation; Short term local effects: 289 mg/m³

PNEC - Fresh water; 0.327 mg/l

- marine water; 0.327 mg/l - Intermittent release; 0.327 mg/l - Sediment (Freshwater); 12.46 mg/kg - Sediment (Marinewater); 12.46 mg/kg

- Soil; 2.31 mg/kg - STP; 6.58 mg/kg

2-METHYLPROPAN-1-OL (CAS: 78-83-1)

DNEL Workers - Inhalation; Long term local effects: 310 mg/m³ Consumer - Inhalation; Short term local effects: 55 mg/m3

8.2. Exposure controls

Protective equipment









Appropriate engineering

controls

Personal protection

Eye/face protection

Hand protection

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Unprotected persons should be kept away from treated areas.

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturer's performance data suggest that the optimum glove for use should be: Viton rubber (fluoro rubber). Thickness: > 0.2 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. or Polyvinyl alcohol (PVA). Thickness: 0.2 - 0.3 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 240 mins. or Polyethylene. Thickness: > 0.062 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the

information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn.

Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection Respiratory protection may be required if excessive airborne contamination occurs. In case of

inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with

combination filter (type A2/P3).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Amine.

Appearance Clear liquid.

Colour Amber.

Odour threshold Not determined.

pH Technically not feasible.

Melting pointNot determined.Initial boiling point and rangeNot determined.Flash point25°C Closed cup.

Evaporation rate Not determined.

Evaporation factor Not determined.

Upper/lower flammability or

explosive limits

Odour

Lower flammable/explosive limit: 1.1 (xylene) g/100 g Upper flammable/explosive limit: 7.0

(xylene) g/100 g

Other flammability Not determined.

Vapour pressure Not determined.

Vapour density heavier than air

Relative density 1.0 - 1.4 @ 20°C

Solubility(ies) Insoluble in water

Partition coefficient Not determined.

Auto-ignition temperature 270 (xylene)°C

Decomposition Temperature Not determined.

Viscosity 1.0 - 3.0 (cone and Plate) P @ 25°C

Explosive properties Not determined.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties Not determined.

9.2. Other information

Volatile organic compound EU: (cat A/j): 500 g/l 2010. This product contains a maximum VOC content of 500 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous

Will not occur

reactions

10.4. Conditions to avoid

Conditions to avoid Not known.

10.5. Incompatible materials

Materials to avoid Strong acids. Alkalis - inorganic. Amines. Mercaptans (thiols).

10.6. Hazardous decomposition products

Hazardous decomposition Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and

products other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No data recorded.

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

General information No specific health hazards known.

Inhalation May cause respiratory system irritation.

Ingestion Harmful if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and

the gastrointestinal tract.

Skin contact Irritating to skin. May cause sensitisation by skin contact.

Eye contact Irritating to eyes.

Acute and chronic health

hazards

May cause sensitisation by skin contact. Delayed appearance of the complaints and development of hypersensitivity (difficulty breathing, coughing, asthma) are possible.

Route of exposure Inhalation Skin absorption. Ingestion. Skin and/or eye contact.

Medical considerations Skin disorders and allergies.

Toxicological information on ingredients.

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀

3,523.0

mg/kg)

Species Rat

ATE oral (mg/kg) 3,523.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

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ATE inhalation (vapours

mg/l)

11.0

Serious eye damage/irritation

Serious eye Severely irritating to skin. Irritation of eyes is assumed. No testing is needed.

damage/irritation

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Carcinogenicity

Carcinogenicity There is no evidence that the product can cause cancer.

Reproductive toxicity

Reproductive toxicity -

fertility

This substance has no evidence of toxicity to reproduction.

Aspiration hazard

Aspiration hazard Kinematic viscosity <= 20.5 mm2/s.

Inhalation Harmful by inhalation.

Ingestion Pneumonia may be the result if vomited material containing solvents reaches the

lungs.

Skin contact Harmful in contact with skin.

Eye contact May cause severe eye irritation.

Target organs Central nervous system Liver

2-METHYLPROPAN-1-OL

Acute toxicity - oral

Acute toxicity oral (LD₅o

mg/kg)

2,830.0

Species Rat

2,830.0 ATE oral (mg/kg)

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,100.0

mg/kg)

Species Rat

ATE dermal (mg/kg) 2,100.0

Skin corrosion/irritation

Animal data Non Corrosive to skin.

Skin sensitisation

Skin sensitisation Not sensitising. Revision date: 18/12/2018 Revision: 6.0 Supersedes date: 15/05/2015

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Germ cell mutagenicity

Genotoxicity - in vivo Data lacking.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies

Reproductive toxicity

Reproductive toxicity -

development

Data lacking.

Inhalation Irritating to respiratory system. Eye contact May cause severe eye irritation.

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product.

Ecological information on ingredients.

XYLENE

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Ecological information on ingredients.

XYLENE

Acute aquatic toxicity

LC₅₀, 96 hours: 2.6 mg/l, Fish Acute toxicity - fish

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 3.62 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

IC₅₀, 72 hours: 3.2 mg/l, Algae

2-METHYLPROPAN-1-OL

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1430 mg/l, Fish

Acute toxicity - aquatic

invertebrates

EC₅₀, 48 hours: 1100 mg/l, Daphnia magna

Acute toxicity - aquatic

plants

EC₅o, 72 hours: 593 mg/l, Pseudokirchneriella subcapitata

Acute toxicity microorganisms IC₅₀, 16 hours: >1000 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability No data available.

Ecological information on ingredients.

XYLENE

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Persistence and degradability

The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not determined.

Ecological information on ingredients.

XYLENE

Partition coefficient log Kow: 3.12 - 3.2

12.4. Mobility in soil

Mobility The product is non-volatile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB

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

assessment

Ecological information on ingredients.

XYLENE

Results of PBT and vPvB This substance is not classified as PBT or vPvB according to current EU criteria. **assessment**

12.6. Other adverse effects

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Avoid the spillage or runoff entering drains, sewers or watercourses. Waste should be treated

as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered. DO NOT reuse

containers containing residual product without commercial cleaning

Waste class When this material, in its liquid state, as supplied, becomes a waste, it is categorised as a

hazardous waste, with code 08 01 11* (EPOXY BASED LIQUID WASTE). Part-used

containers, not drained and/or rigorously scraped out and containing residues of the supplied material, are categorised as hazardous waste, with code 08 01 11* (EPOXY BASED LIQUID WASTE). Ideally this component should be mixed with the appropriate hardener and allowed to react fully to produce a solid waste. Neutralised empty packages, are categorised as non-hazardous waste, with code 15 01 02(plastic packaging) or 15 01 04 (metal packaging)

SECTION 14: Transport information

General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR

and IMDG.

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

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14.2. UN proper shipping name

Proper shipping name

PAINT OR PAINT RELATED MATERIAL

(ADR/RID)

Proper shipping name (IMDG) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT OR PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID class 3

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group

IMDG packing group

ICAO packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-E

Tunnel restriction code (D/E)

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

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18

December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of

Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as

amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms

ATE: Acute Toxicity Estimate.

used in the safety data sheet ADR: European Agreement concerning the International Carriage of Dangerous Goods by

Road.

CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
GHS: Globally Harmonized System.

IATA: International Air Transport Association.

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).

PBT: Persistent. Bioaccumulative and Toxic substance.

PNEC: Predicted No Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation

(EC) No 1907/2006.

vPvB: Very Persistent and Very Bioaccumulative. EC₅o: 50% of maximal Effective Concentration.

Classification abbreviations and acronyms

Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Asp. Tox. = Aspiration hazard Eye Dam. = Serious eye damage

Eye Irrit. = Eye irritation

Resp. Sens. = Respiratory sensitisation

Skin Corr. = Skin corrosion Skin Irrit. = Skin irritation Skin Sens. = Skin sensitisation

STOT RE = Specific target organ toxicity-repeated exposure STOT SE = Specific target organ toxicity-single exposure

Revision comments

Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830 Revisions to Sections (2),(3),(8),(15), and (16) - re-classification of resin components. Revision to sections 2, 8, 11 & 12 for reclassification of solvents.

Issued by Technical Dept. (P.E.)

Revision date 18/12/2018

Revision 6.0

Supersedes date 15/05/2015

SDS number 10845

SDS status Approved.

Hazard statements in full H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

Signature Initials _____

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.