Revision Date 17/01/2012

Revision 3

Supersedes date 02/08/2011

SAFETY DATA SHEET
UNIDOX ZINC RICH PRIMER 117

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	UNIDOX ZINC RICH PRIMER 117
Product No.	117

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	Witham Group Stanley Road Oulton Broad Lowestoft Suffolk NR33 9ND Tel: 01502 563434 Fax: 01502 500010 enquiries@withamgroup.co.uk
Manufacturer	Witham Group Stanley Road Oulton Broad Lowestoft Suffolk NR33 9ND Tel: 01502 563434 Fax: 01502 500010 enquiries@withamgroup.co.uk

1.4. Emergency telephone number

(01502)563434 Monday to Thursday 8.00am to5.00pm, Friday 8.00am to 4.30pm.

SECTION 2: HAZARDS IDENTIFICATION

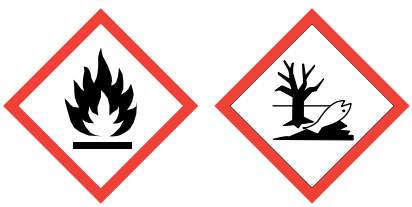
2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

	Physical and Chemical Hazards	Flam. Liq. 3 - H226;Water-react. 1 - H260
	Human health	Not classified.
	Environment	Aquatic Acute 1 - H400;Aquatic Chronic 1 - H410
Classification (1999/45/EEC)	F;R15. N;R50/53. R10.	

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word	Danger	
Hazard Statements		
	H226	Flammable liquid and vapour.
	H260	In contact with water releases flammable gases which may ignite spontaneously.

H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P273	Avoid release to the environment.
P370	In case of fire:
P378a	Use alcohol-resistant foam, carbon dioxide or dry powder for extinction.
P402+404	Store in a dry place. Store in a closed container.
P501	Dispose of contents/container to registered waste disposal company.

Supplementary Precautionary Statements

P223	Keep away from any possible contact with water, because of violent reaction and possible flash fire.
P231+232	Handle under inert gas. Protect from moisture.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/…/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P335+334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P391	Collect spillage.
P403+235	Store in a well-ventilated place. Keep cool.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

CALCIUM OXIDE — < 1%

CAS-No.: 1305-78-8 EC No.: 215-138-9

Classification (EC 1272/2008)	Classification (67/548/EEC)
Not classified.	Xi;R37/38,R41.

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA — 5-10%

CAS-No.: 64742-95-6 EC No.: 265-199-0

Classification (EC 1272/2008)	Classification (67/548/EEC)
Not classified.	Xn;R65. N;R51/53. R66,R67,R10.

XYLENE — 5-10%

CAS-No.: 1330-20-7 EC No.: 215-535-7

Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
Acute Tox. 4 - H312	Xn;R20/21
Acute Tox. 4 - H332	Xi;R38
Skin Irrit. 2 - H315	

ZINC POWDER - ZINC DUST (STABILISED) — 60-100%

CAS-No.: 7440-66-6 EC No.:

Classification (EC 1272/2008)	Classification (67/548/EEC)
Not classified.	N;R50/53

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

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Give nothing by mouth. Place unconscious person on the side in the recovery position and ensure breathing can take place.

Ingestion

Get medical attention immediately! Provide rest, warmth and fresh air. DO NOT INDUCE VOMITING!

Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water. Do NOT use solvents or thinners.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

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

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation.

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Extreme irritation of eyes and mucous membranes, including burning and tearing.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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

Hazardous combustion products

When water is added, the product reacts with a number of metals forming hydrogen gas, which may form explosive vapour/air mixtures. During fire, toxic gases (CO, CO2, NOx) are formed.

Unusual Fire & Explosion Hazards

FLAMMABLE.

Specific hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. In case of fire, toxic gases may be formed (COx, NOx).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Containers close to fire should be removed immediately or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control.

Protective equipment for fire-figthers

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use open fire or other sources of ignition.

6.2. Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.3. Methods and material for containment and cleaning up

For waste disposal, see section 13. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Risk of vapour concentration on the floor and in low-lying areas. Avoid eating, drinking and smoking when using the product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

7.2. Conditions for safe storage, including any incompatibilities

Up to 50litres of liquids with a flash point below 32 deg C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate storeroom conforming to the structural requirements contained in the HSE guiance note Storage of Flammable Liquids in Containers. Store away from: Acids. Alkalis. Oxidising material. Store in closed original container at temperatures between 5°C and 25°C.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage Description

AVOID CONTACT WITH SKIN AND EYES.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
CALCIUM OXIDE	WEL		2 mg/m3			
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment

Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

Wear suitable respiratory protection.

Hand protection

Nitrile gloves are recommended.

Eye protection

Wear approved safety goggles.

Other Protection

Use barrier creams to prevent skin contact.

Hygiene measures

Wash at the end of each work shift and before eating, smoking and using the toilet.

Skin protection

Wear apron or protective clothing in case of splashes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid.
Colour	Misc. colours.
Odour	Solvent.
Solubility	Immiscible with water
Initial boiling point and boiling range	138 760 mm Hg
Relative density	2.813 20 DEG C
Vapour density (air=1)	>1.0
Vapour pressure	1.5 mm Hg 20 DEG C
Viscosity	4.5-5.0P 20 DEG C
Flash point (°C)	>21 Sh CC (Setaflash closed cup).

9.2. Other information

Volatile Organic Compound (VOC)	493 g/litre

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

When water is added, the product reacts with a number of metals forming hydrogen gas, which may form explosive vapour/air mixtures.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Contact with water liberates extremely flammable gases.

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid contact with: Oxidising materials. Strong alkalis. Strong mineral acids. Avoid contact with water.

10.5. Incompatible materials

Materials To Avoid

Strong acids. Strong alkalis. Strong oxidising substances.

10.6. Hazardous decomposition products

In case of fire, toxic gases (CO, CO2, NOx) may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No data recorded.

General information

Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

Inhalation

Exposure to organic vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Splashes in the eyes may cause irritation and reversible local damage

Health Warnings

Prolonged or repeated contact leads to drying of skin.

Route of entry

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

Target Organs

Kidneys Liver Central nervous system

Medical Symptoms

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

There are no data on the ecotoxicity of this product.

12.1. Toxicity

12.2. Persistence and degradability

Degradability

The product is biodegradable. Volatile substances are degraded in the atmosphere within a few days.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product contains potentially bioaccumulating substances.

12.4. Mobility in soil

Mobility:

The product is insoluble in water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	1263
UN No. (IMDG)	1263

14.2. UN proper shipping name

Proper Shipping Name	PAINT

14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
IMDG Class	3

Transport Labels

14.4. Packing group

ADR/RID/ADN Packing group	III
IMDG Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Issued By	Technical manager
Revision Date	17/01/2012
Revision	3
Supersedes date	02/08/2011
Date	21/7/2011
Risk Phrases In Full	
R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R65	Harmful: may cause lung damage if swallowed.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H312	Harmful in contact with skin.