



Redesign With Prima® 5564 Edison Ave. Chino CA 91710

**Redesign Chalk Paste**

Version number: 1.

## **Safety Data Sheet for not dangerous mixtures according to 830/2015 EU Regulation**

Date of Compilation/Revision: 22.04.2018.

### **SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

#### **1.1 Product identifiers: Redesign Chalk Paste**

#635190,635206,635213,635220,635237,635244,635251,635268,635275,635282,635299,635305,635312,635329,635336,635343,635350,635367,635374,635381

Type of substance: CLP Mixture

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

Water based paint

### **SECTION 2. HAZARDS IDENTIFICATION**

**2.1** Classification of the substance or mixture: Classification according to Regulation (EC) No 1272/2008

This product is not classified according to (EC) Regulation No 1272/2008.

#### **2.2. Label elements:**

##### **Labelling according to Regulation (EC) No**

**1272/2008** Chalk Paste Prima Marketing

This product is not classified according to (EC) Regulation No 1272/2008.

Additional labelling:

EUH208 Contains MIT/BIT May cause an allergic reaction.

EUH210 Safety data sheet available on request.

#### **2.3 Other hazards:**

It does not contain PBT/vPvB materials,

### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

#### **3.2 Mixture:**

The details below includes all impurities and by-products that contribute to the product classification or that have an occupational exposure limits.

Hazardous Substance(s): 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether concentration: < 3%

EC-No.: 203-961-6

CAS-No.: 112-34-5

Index-No. : 603-096-00-8

Classification according to Regulation (EC) No 1272/2008 : Eye Irrit. 2 H319

Registration number : 01-2119475104-44-0006, 01-2119475104-44-xxxx

Substance with occupational exposure limits: ammonia...%, ammonium hydroxide concentration: < 0.1 %

EC-No.: 215-647-6

CAS-No.: 1336-21-6

Index-No.: 007-001-01-2

Classification according to Regulation (EC) No 1272/2008 : Skin Corr. 1B H314, STOT SE 3 H335, Aquatic Acute 1 H400, Aquatic Chronic 2 H411 (SCL: STOT SE 3 H335: c >= 5%, Note B

Hazardous Substance(s): bronopol (INN); 2-bromo-2-nitropropane-1,3-diol; bronopol (INN); 2 bróm-2-nitropropán-1,3-diol  
concentration: < 0,02%

EC-No.: 200-143-0

CAS-No.: 52-51-7

Index-No. : 603-085-00-8

Classification according to Regulation (EC) No 1272/2008 : Acute Tox. oral 4 (\*) H302, Acute Tox. dermal 4 (\*) H312, Skin Irrit. 2 H315, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 (M=10), Aquatic Chronic 1 H410 (M=1)

Note B: Certain substances (acids, alkalis, etc.) are in the form of aqueous solutions of different concentrations and should therefore be labeled differently as the degree of danger varies depending on the concentration. The items supplemented with Note B has a general description :  
... % nitric acid. In this case, the supplier of the substance must indicate the concentration of the solution on the label. Unless otherwise stated, it is to be assumed that the percentage concentration is expressed as a percentage by weight.

Refer to Section 16 for full details of hazard statements and Notas.

## **SECTION 4. FIRST AID MEASURES**

### **4.1 Description of necessary first-aid measures:**

#### **General:**

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

#### **Inhalation:**

Usually there is no need for first aid.

Keep patient calm, remove to fresh air, if necessary, seek medical attention.

#### **Eye contact:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Consult a doctor in case of persistent symptoms or complaints.

#### **Skin contact:**

Wash thoroughly with soap and water.

#### **Ingestion:**

Usually there is no need for first aid.

Rinse mouth. When symptoms persist, seek medical attention.

### **4.2 Most important symptoms and effects, both acute and delayed:**

From symptoms and effects we do not have any information.

### **4.3 Indication of immediate medical attention and special treatment needed:**

Treat symptomatically.

## **SECTION 5. FIREFIGHTING MEASURES**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use extinguishing media that is suitable for the extinguishing of burning agents in the environment.

Not to be used : Not known.

### **5.2 Special hazards arising from the substance or mixture**

The product is not flammable. In case of fire hazardous vapors, gases may be formed.

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing.

Use fine water spray to cool endangered containers. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Remove the unauthorized persons. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Provide adequate ventilation.

**6.2 Environmental precautions**

Do not allow to enter drains or watercourses.

**6.3 Methods and materials for containment and cleaning up**

Small spills: Soak up with cloth. For residues: Pick up with suitable absorbent material (e.g. sand, earth, and similar inert absorbent). Dispose of absorbed material in accordance with regulations. Wash the contaminated area with plenty of water.

**6.4 Reference to other sections**

Use personal protective equipment recommended in section 8.  
For disposal see section 13.

**SECTION 7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

No special measures are required.

Avoid contact with skin and eyes. Do not breathe vapours. Provide adequate ventilation.

Do not eat, drink or smoke while working. Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a cool, well-ventilated place.

**7.3 Specific end uses**

See section 1.2

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****Components with workplace control parameters****112-34-5: 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether**

TWA value 67.5 mg/m<sup>3</sup> ; 10 ppm (OEL (EU)) indicative

STEL value 101.2 mg/m<sup>3</sup> ; 15 ppm (OEL (EU)) indicative

**7664-41-7 ammonia:**

TWA Value 14 mg/m<sup>3</sup> .20 ppm (2000/39/EC; 2000.06.16.)

STEL 36 mg/m<sup>3</sup>, 50ppm (2000/39/EC; 2000.06.16.)

**DNEL****112-34-5: 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether**

worker:

Long-term exposure - systemic and local effects, Inhalation: 67.5 mg/m<sup>3</sup>, 10 ppm

worker:

Short-term exposure- local effects, inhalation: 101,2 mg/m<sup>3</sup>, 15

ppm worker:

Long-term exposure – systemic effects, dermal: 83

mg/kg consumer:

Short-term exposure - local effects, Inhalation: 60,7

mg/m<sup>3</sup> consumer:

Long-term exposure - systemic and local effects, Inhalation: 40,5 mg/m<sup>3</sup>

consumer:

Long-term exposure- systemic effects, dermal: 50 mg/kg

consumer:

Long-term exposure- systemic effects, oral: 5 mg/kg

**PNEC**

freshwater: 1,1 mg/l

marine water: 0.11 mg/l

intermittent release: 11 mg/l

sediment (freshwater): 4,4 mg/kg

sediment (marine water): 0.44 mg/kg

STP: 200 mg/l

oral (secondary poisoning): 56 mg/kg

soil: 0.32 mg/kg

**DNEL:**

**7664-41-7 ammonia:**

worker:

Short-term exposure - local effects, Inhalation: 36 mg/m<sup>3</sup>

worker:

Long-term exposure- local effects: 14 mg/m<sup>3</sup>

worker:

Long-term exposure - systemic and local effects: 47,6 mg/m<sup>3</sup>

consumer:

Short-term exposure - local effects, Inhalation: 7,2 mg/m<sup>3</sup>

consumer:

Long-term exposure- systemic effects, inhalation:2,8 mg/m<sup>3</sup> consumer:

Long-term exposure - systemic and local effects, Inhalation: 23,8 mg/m<sup>3</sup>

worker, consumer:

Local effects, dermal: no data (corrosive)

worker, consumer:

Long-term and short-term exposure, dermal: 6,8 mg/kg bw/d

consumer:

Long-term and short-term exposure, oral: 6,8 mg/kg bw/d

## **8.2 Exposure controls**

### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Local or general extraction system is recommended in order to keep the exposure as low as possible. Safety shower, eyewash is recommended.

### **Personal protective equipment**

#### **Eye/face protection**

Safety glasses with side-shields according to EN 166.

#### **Skin protection**

Protective gloves according to EN 374. can be used, but in normal case it is not necessary.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

#### **Body Protection**

Protective clothing according to EN ISO 20345

#### **Respiratory protection**

Provide good ventilation of working area. Wear respiratory protection if ventilation is inadequate.

#### **Environmental exposure controls**

Check emissions of the local exhaust system during the production in order to comply with environmental protection requirements

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1 Information on basic physical and chemical properties**

(a) Appearance: mild viscous liquid, Colour: product-specific

(b) Odour: characteristic

(c) Odour threshold: not determined

(d) pH: 7,5-8,5

(e) Melting point/freezing point: not determined

(f) Initial boiling point and boiling range: not determined

(g) Flash point: not determined

(h) Evaporation rate: not determined

(i) Flammability (solid, gas): Not applicable (non-flammable liquid).

(j) Upper/lower flammability or explosive limits: Not applicable (non-flammable / non-explosive liquid).

(k) Vapour pressure: not determined

(l) Vapour density: not determined

(m) Relative density: 1,5-1,7 g/cm<sup>3</sup>

(n) Solubility(ies): soluble in water

(o) Partition coefficient: n-octanol/water: not determined

(p) Auto-ignition temperature: not determined

(q) Decomposition temperature: not determined

(r) Viscosity: not determined

(s) Explosive properties: product is not explosive.

(t) Oxidising properties. non-oxidizing

**9.2. Other information**

No data available

**SECTION 10. STABILITY AND REACTIVITY****10.1 Reactivity**

No hazardous reactions can be expected under normal handling and storage

**10.2 Chemical stability**

Stable under recommended storage and handling conditions.

**10.3 Possibility of hazardous reactions**

No dangerous reaction in normal use.

**10.4 Conditions to avoid**

Not known.

**10.5 Incompatible materials**

Strong oxidizing agents.

**10.6 Hazardous decomposition products**

Not known in normal use.

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

There are no data available on the preparation itself.

(a) acute toxicity: Based on available data, the classification criteria are not met

The product does not contain components of acute toxicity-classified at or above the general classification limits.

(b) skin corrosion/irritation: Based on available data, the classification criteria are not met

The product does not contain components of skin corrosion or skin irritation at or above the general classification limits.

(c) serious eye damage/irritation: Based on available data, the classification criteria are not met The product does not contain components which damage or irritating to eyes at or above the general classification limits.

(d) respiratory or skin sensitisation: Based on available data, the classification criteria are not met. The product does not contain components classified as skin sensitization at or above the general classification limits.

(e) germ cell mutagenicity: Based on available data, the classification criteria are not met.

(f) carcinogenicity: Based on available data, the classification criteria are not met

The product does not contain carcinogenic components.

(g) reproductive toxicity: Based on available data, the classification criteria are not

met The product does not contain components of reproductive toxicity.

(h) STOT-single exposure: Based on available data, the classification criteria are not met

The product does not contain a single exposure specific target organ toxicity-classified components in the general classification limit values or concentration above.

(i) STOT-repeated exposure: Based on available data, the classification criteria are not met

The product does not contain components classified as repeated-exposure target organ toxicity at or above the general classification limits. The product does not contain components classified with aspiration toxicity.

(j) aspiration hazard: Based on available data, the classification criteria are not met

**Components:**

112-34-5: 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

LD50 mouse (oral): 2.410 mg/kg (OECD 401)

LC50 rat (inhalation): > 29 ppm 2 h (IRT)

LD50 rabbit (dermal): 2.764 mg/kg (OECD 402)

7664-41-7 ammonia:

LD50: rat (oral) 350 mg/kg bw, (OECD 401)

LC50 rat male (inhalation): 9.850 mg/m<sup>3</sup>, 1 h

LC50 rat female (inhalation): 13.770 mg/m<sup>3</sup>, 1 h

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity**

There are no data available on the preparation itself.

Based on available data, the classification criteria are not met

**Components:**

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

LC50 (96 h) 1.300 mg/l, *Lepomis macrochirus* (OECD 203, static (nominal concentration)

EC50 (48 h) > 100 mg/l, *Daphnia magna* (92/69/EWG, C.2, static (nominal concentration)

EC50 (96 h) > 100 mg/l (Növekedési sebesség), *Scenedesmus subspicatus* (OECD 201, static (nominal concentration)

EC10 (30 min) > 1.995 mg/l, industrial activated sludge (OECD 209, aquatic) (nominal concentration)

ammonia:

LC50: 0,068 mg NH<sub>3</sub>/l, 96 h, *gorbusalazac* (*Oncorhynchus gorbuscha*)

LC50: 101 mg NH<sub>3</sub>/l, 48 h, *Daphnia magna*, short-term, ASTM E 729-80

EC50: 2700 mg NH<sub>3</sub>/l, 18 np, *Chlorella vulgaris*

**12.2 Persistence and degradability****Biodegradability**

No relevant information available.

**Components:**

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether Readily biodegradable to OECD criteria Ammonia:

Readily biodegradable

Bronopol: Readily biodegradable

> 70 % (Activated sludge, OECD 301B, modified Sturm test) (REACH dossier).

**12.3 Bioaccumulative****potential Components:**

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether significant accumulation in living organisms is not

expected ammonia:

does not accumulate biologically

Bronopol: in living body is not enriched

up BCF: 3,16 (calculated, EPIWIN).

Partition coefficient: log  $K_{ow}$ : 0,22 (OECD 107, S3658)

**12.4 Mobility in soil**

The product is water-soluble. No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

The product does not fulfill the criteria for PBT(Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

**12.6 Other adverse**

**effects** Not known.

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Do not dispose of together with household waste. In accordance with local and national regulations.

Non-hazardous waste, but the generation of waste should be avoided or minimized wherever possible. Do not allow into drains or water courses. The waste packaging can be recycled.

**SECTION 14. TRANSPORT INFORMATION**

**Transportation for non-hazardous goods.**

**14.1 ADR/RID, IMDG, IATA: UN number:** Not applicable.

**14.2 ADR/RID, IMDG, IATA: UN proper shipping name:** Not applicable.

**14.3 ADR/RID, IMDG, IATA: Transport hazard class(es):** Not applicable.

**14.4 ADR/RID, IMDG, IATA: Packing group:** Not applicable.

**14.5 Environmental hazards:** No

**14.6 Special precautions for user:** Handle in accordance with good industrial hygiene and safety practice.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC**

**Code** Not applicable.

## **SECTION 15. REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

According to the local regulation. For product there are no special requirements.

CAS 112-34-5: diethylene glycol monobutyl ether

The substance is subject to a labeling obligation (REACH Annex XVII.)

### **15.2 Chemical Safety Assessment**

Chemical safety assessment has not been carried out./ not required.

## **SECTION 16. OTHER INFORMATION**

### **Data Sources:**

The previously-classified hazardous materials list

Internet database of chemical substances

Safety data sheets of components

The classification was prepared according to the 1272/2008/EK Regulation:

This product is not classified according to (EC) Regulation No 1272/2008.- based on calculation method

## **LIST OF RELEVANT H-PHRASES IN SECTION 3**

### **H-Phrases**

H302 Harmful if swallowed

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H319 Causes serious eye irritation

H318 Causes serious eye damage

H335 May cause respiratory irritation

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects effects

H411 Toxic to aquatic life with long lasting effects

### **Abbreviations:**

Acute Tox. 4 Acute Toxicity Category 4

Skin Corr. 1B Skin Corrosion/irritation, Category 1B

Skin Irrit. 2 Skin Irritation Category 2

Eye Irrit. 2 Eye Irritation, Category 2

Eye Dam. 1 Eye Damage Category 1

STOT SE 3 Specific target organ toxicity – single exposure Category 3

Aquatic Acute 1 Aquatic Acute Category 1

Aquatic Chronic 1 Aquatic Chronic Category 1

Aquatic Chronic 2 Aquatic Chronic Category 2

SCL: Specific Concentration limit

EK / EU European community/European union

EGK European Economic Community

DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures /

CAS Chemical Abstracts Service

UN / ENSZ United Nations

ADN Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer

IMDG International Maritime Code for Gangerous Goods

MARPOL International Convention for the Prevention of Pollution From Ships IBC Intermediate Bulk Container

IATA International Air Transport Association

ICAO International Civil Aviation Organization

PBT Persistent, Bioaccumulative, Toxic

vPvB very Persistent, very Bioaccumulative

This product Safety Data Sheet provides health, safety, and regulatory information. The information contained in this Safety Data Sheet is based on data available to us at the date of issue , and is provided in good faith, and believed to be accurate and reliable at the date of issue, however, no warranty, express or implied is provided. The product is to be used in applications consistent. For any other uses, exposures should be evaluated so that the appropriate handling practices and training programs can be established to ensure safe working conditions and operations. It is the buyer's/user's responsibility to satisfy itself that the product is suitable for the intended use, and to ensure that its activities comply with all federal, state, provincial, or local laws and regulations. Regulatory requirements are subject to change and may differ between European Member States and Nations. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.