

# Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Revision Date 27-Jan-2021

Version 30

Supersedes Date: 18-Apr-2020

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product code** BR408089G  
**Product name** RAL 1003 YELLOW POLY GLOSS

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

**Recommended use** Paint, Coatings

### 1.3. Details of the supplier of the safety data sheet

See section 16 for more information

The Valspar (Switzerland) Corporation AG  
European Headquarters  
Rosengartenstrasse 25  
8608 Bubikon  
CH-SWITZERLAND

Only Representative (OR) for imports only:  
Valspar B.V.  
Zuiveringweg 89  
8243 PE Lelystad  
The Netherlands  
GPSReach@sherwin.com  
Member Company of Sherwin Williams

For further information, please contact

**E-mail address** [sdshelpdesk@valspareurope.com](mailto:sdshelpdesk@valspareurope.com)

### 1.4. Emergency telephone number

#### 24 Hour Emergency Phone Number

<b>International</b> +1 703 741 5971	<b>Austria</b> +(43)-13649237	<b>Belgium</b> +(32)-28083237	<b>Bulgaria</b> +(359)-32570104	<b>Croatia</b> +(385)-17776920
<b>Czech Republic</b> +(420)-228880039	<b>Denmark</b> +(45)-69918573	<b>Estonia</b> +(372)-6681294	<b>Finland</b> +(358)-942419014	<b>France</b> +(33)-975181407
<b>Germany</b> 0800-181-7059	<b>Greece</b> +(30)-2111768478	<b>Hungary</b> +(36)-18088425	<b>Ireland</b> +(353)-19014670	<b>Italy</b> 800-789-767
<b>Latvia</b> +(371)-66165504	<b>Lithuania</b> +(370)-52140238	<b>Luxembourg</b> +(352)-20202416	<b>Netherlands</b> +(31)-858880596	<b>Norway</b> +(47)-21930678
<b>Poland</b> +(48)-223988029	<b>Portugal</b> +(351)-308801773	<b>Romania</b> (+40)-37-6300026	<b>Slovakia</b> +(421)-233057972	<b>Slovenia</b> +(386)-18888016
<b>Spain</b> 900-868538	<b>Sweden</b> +(46)-852503403	<b>Switzerland</b> +(41)- 435082011	<b>United Kingdom</b> +(44)-870-8200418	

#### Poison control centre phone number

Only for the purpose of informing medical personnel in cases of acute intoxication

<b>Belgium</b> +32 70 245 245	<b>Denmark</b> +45 82 12 12 12	<b>France</b> +33 (0) 1454 25959	<b>Finland</b> +358 9 471977	<b>Hungary</b> +36-80-20-11-99
<b>Iceland</b> +353 1 809 2166	<b>Ireland</b> +353 (0)1 809 2166 (8.00 - 22.00)	<b>Lithuania</b> +370 (85) 2362052	<b>Netherlands</b> +31 30 274 8888	<b>Norway</b> +47 22 59 13 00
<b>Portugal</b> +(351) 800 250 250	<b>Slovakia</b> +421 2 5477 4166	<b>Spain</b> +3415620420	<b>Sweden</b> +46 8 33 12 31 (M-F 9.00-17.00)	

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

**Chronic Aquatic Toxicity** Category 3 - (H412)

### 2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

#### Hazard statements

H412 - Harmful to aquatic life with long lasting effects

#### PRECAUTIONARY STATEMENTS - EU (§28, 1272/2008)

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant

### 2.3. Other Hazards

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

Chemical name	CAS No	Weight-%	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number	Note:
Trizinc diphosphate	7779-90-0	0.3 - < 1	231-944-3	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2119485044-40	-

**Full text of H- and EUH-phrases: see section 16**

#### Additional information

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General Advice

IF exposed or concerned: Get medical advice/attention

#### Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

#### Skin contact

Rinse skin with water/shower

If skin irritation occurs: Get medical advice/attention

#### INHALATION

IF INHALED: Call a POISON CENTER or doctor if you feel unwell

#### INGESTION

Do NOT induce vomiting

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

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

**Symptoms** No information available.

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

**Note to doctors** Treat symptomatically

### **Section 5: FIRE FIGHTING MEASURES**

#### 5.1. Extinguishing media

##### **Suitable Extinguishing Media**

Water spray (fog)  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol resistant foam  
Dry chemical

##### **Not to be used for safety reasons:**

Inert gas under high pressure (e.g. CO<sub>2</sub>), water jet ( Do not use if package is open or torn )

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

Burning produces heavy smoke  
Fire may produce irritating and/or toxic gases  
In the event of fire and/or explosion do not breathe fumes

#### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit  
Cool containers with flooding quantities of water until well after fire is out  
Do not allow run-off from fire-fighting to enter drains or water courses

### **Section 6: ACCIDENTAL RELEASE MEASURES**

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

##### **Personal Precautions**

Remove all sources of ignition  
Do not breathe dust  
Use personal protective equipment as required  
Keep people away from and upwind of spill/leak  
Avoid contact with skin, eyes or clothing

##### **For emergency responders**

Use personal protection recommended in Section 8

#### 6.2. Environmental precautions

Do not allow into any sewer, on the ground or into any body of water  
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations  
Prevent further leakage or spillage if safe to do so  
Local authorities should be advised if significant spillages cannot be contained

#### 6.3. Methods and material for containment and cleaning up

##### **Methods for Containment**

Prevent further leakage or spillage if safe to do so

##### **Methods for Cleaning Up**

Dispose of waste product or used containers according to local regulations  
Do not use a dry brush as dust clouds or static can be created  
Dam up  
Pick up and transfer to properly labelled containers  
Clean contaminated surface thoroughly  
Contain and collect spillage with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13)

#### 6.4. Reference to other sections

See Section 8 for information on appropriate personal protective equipment  
See Section 13 for additional waste treatment information

### Section 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Use personal protection recommended in Section 8. Comply with the health and safety at work laws. Prevent product from entering drains. Use only with adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray.

##### General hygiene considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Avoid contact with skin, eyes or clothing.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Storage Conditions

Keep/store only in original container. Store in accordance with local regulations. Keep unauthorised personnel away. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed in a dry and well-ventilated place.

##### Incompatible materials

Alcohols, Amines

#### 7.3. Specific end use(s)

Recommended use Paint Coatings

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

##### Exposure Limits

If S\* appears in the OEL table, it indicates this chemical contains a skin notation.

Chemical name	European Union	Austria	Belgium	Bulgaria	Czech Republic	Denmark	Estonia
Barium sulfate 7727-43-7			TWA: 10 mg/m <sup>3</sup>	TWA: 10.0 mg/m <sup>3</sup>			
Bismuth vanadium oxide (BiVO <sub>4</sub> ) 14059-33-7				TWA: 0.05 mg/m <sup>3</sup>			
Titanium dioxide 13463-67-7		STEL 10 mg/m <sup>3</sup> alveolar dust, respirable fraction TWA: 5 mg/m <sup>3</sup> alveolar dust, respirable fraction	TWA: 10 mg/m <sup>3</sup>	TWA: 10.0 mg/m <sup>3</sup> respirable dust		TWA: 6 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>

Chemical name	Finland	France	Germany	Greece	Hungary	Iceland	Ireland
Barium sulfate 7727-43-7			TWA: 4 mg/m <sup>3</sup> inhalable fraction TWA: 1.5 mg/m <sup>3</sup> respirable fraction Ceiling / Peak: 2.4 mg/m <sup>3</sup> respirable fraction				TWA: 2 mg/m <sup>3</sup> respirable dust STEL: 6 mg/m <sup>3</sup> respirable dust

Bismuth vanadium oxide (BiVO <sub>4</sub> ) 14059-33-7			TWA: 0.005 mg/m <sup>3</sup> respirable fraction TWA: 0.03 mg/m <sup>3</sup> inhalable fraction				
Titanium dioxide 13463-67-7		TWA: 10 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup> inhalable fraction TWA: 5 mg/m <sup>3</sup> respirable fraction		Ceiling: 12 mg/m <sup>3</sup> TWA: 6 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> total inhalable dust TWA: 4 mg/m <sup>3</sup> respirable dust STEL: 30 mg/m <sup>3</sup> total inhalable dust STEL: 12 mg/m <sup>3</sup> respirable dust
Trizinc diphosphate 7779-90-0			TWA: 0.1 mg/m <sup>3</sup> respirable fraction TWA: 2 mg/m <sup>3</sup> inhalable fraction Ceiling / Peak: 0.4 mg/m <sup>3</sup> respirable fraction Ceiling / Peak: 4 mg/m <sup>3</sup> inhalable fraction				

Chemical name	Italy	Latvia	Luxembourg	Netherlands	Norway	Poland	Portugal
Barium sulfate 7727-43-7					TWA: 0.5 mg/m <sup>3</sup> STEL: 1.5 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>
Bismuth vanadium oxide (BiVO <sub>4</sub> ) 14059-33-7		TWA: 1 mg/m <sup>3</sup> TWA: 0.5 mg/m <sup>3</sup>					
Titanium dioxide 13463-67-7		TWA: 10 mg/m <sup>3</sup>			TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	STEL: 30 mg/m <sup>3</sup> TWA: 10.0 mg/m <sup>3</sup> inhalable fraction	TWA: 10 mg/m <sup>3</sup>

Chemical name	Romania	Slovakia	Slovenia	Spain	Sweden	Switzerland	United Kingdom
Barium sulfate 7727-43-7		TWA: 1.5 mg/m <sup>3</sup>		TWA: 10 mg/m <sup>3</sup>			STEL: 30 mg/m <sup>3</sup> inhalable dust STEL: 12 mg/m <sup>3</sup> respirable dust TWA: 10 mg/m <sup>3</sup> inhalable dust TWA: 4 mg/m <sup>3</sup> respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m <sup>3</sup> STEL: 15 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>	TLV/LLV: 5 mg/m <sup>3</sup> total dust	TWA: 3 mg/m <sup>3</sup> respirable dust	STEL: 30 mg/m <sup>3</sup> total inhalable STEL: 12 mg/m <sup>3</sup> respirable TWA: 10 mg/m <sup>3</sup> total inhalable TWA: 4 mg/m <sup>3</sup> respirable

Chemical name	European Union	Denmark	Finland	France
Bismuth vanadium oxide (BiVO <sub>4</sub> ) 14059-33-7				Vanadium: 0.05 mg/g creatinine in urine

**Derived No Effect Level (DNEL)  
Trizinc diphosphate (7779-90-0)**

CATEGORY	Route of Exposure	Derived No Effect Level (DNEL)	UNITS
Chronic effects, systemic, workers	INHALATION	5	mg/m <sup>3</sup>

Chronic effects, systemic, workers	Dermal	83	mg/kg bw/d
Chronic effects, systemic, consumers	INHALATION	2.5	mg/m <sup>3</sup>
Chronic effects, systemic, consumers	Dermal	83	mg/kg bw/d
Chronic effects, systemic, consumers	Oral	0.83	mg/kg bw/d

### Predicted No Effect Concentration (PNEC)

#### Trizinc diphosphate (7779-90-0)

CATEGORY	Predicted No Effect Concentration (PNEC)	UNITS
Fresh Water	0.0206	Mg/l
Marine water	0.0061	Mg/l
Microorganisms in sewage treatment	0.1	Mg/l
Freshwater sediment	117.8	Mg/kg
Marine sediment	56.5	Mg/kg
Soil	35.6	Mg/kg

## 8.2. Exposure controls

### 8.2.1 Appropriate Engineering Controls

#### Engineering controls

Ensure adequate ventilation, especially in confined areas  
 Provide local exhaust ventilation  
 In case of insufficient ventilation, wear suitable respiratory equipment  
 Do not breathe dust

### 8.2.2 Individual protection measures, such as personal protective equipment

#### Eye/Face Protection

Wear safety glasses with side shields (or goggles)

#### Skin and Body Protection

Wear suitable protective clothing  
 Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at neck and wrists through contact with the powder are avoided

#### Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals

Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed

Gloves should be replaced regularly and if there is any sign of damage to the glove material

Always ensure that gloves are free from defects and that they are stored and used correctly

The performance or effectiveness of the glove may be reduced by physical / chemical damage and poor maintenance

Wear protective gloves

**Break through time** > 240 minutes Estimated

PPE - Glove material	Glove thickness
Neoprene™	> 0.56 mm
Butyl rubber	> 0.36 mm
Fluoroelastomer	> 0.51 mm
Nitrile rubber	> 0.56 mm
Natural rubber	> 0.48 mm
Polyvinyl chloride (PVC)	> 0.25 mm

#### Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

#### Thermal Protection

No information available

### 8.2.3 Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

Local authorities should be advised if significant spillages cannot be contained

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical State	Powder
Appearance	No information available
Odour	Odourless
Colour	No information available
Odour threshold	No information available
PH	No information available
Melting point/freezing point	No information available
Boiling point / boiling range	No information available °C / °F
Flash Point	400 °C / 752 °F
Method	
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability limit in air	
Upper flammability limit:	No information available
Lower flammability limit	No information available
Vapour pressure	No information available
Vapour Density	No information available
Specific gravity	1.7
Solubility(ies)	No information available
Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive Properties	No information available
Oxidising Properties	No information available

### 9.2. Other information

Molecular Weight	No information available
Minimum ignition energy (MIE)	3 - 50 mJ (typical range)
dust deflagration index (Kst)	100 - 199 bar*m/s (typical range)
Minimum Explosive Conc. (g/m <sup>3</sup> )	20 - 70 (typical range)

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No information available

### 10.2. Chemical stability

Stable under normal conditions

#### Explosion Data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

### 10.3. Possibility of hazardous reactions

Hazardous polymerisation None under normal processing

Possibility of hazardous reactions None under normal processing

### 10.4. Conditions to avoid

Heat, flames and sparks

### 10.5. Incompatible materials

Alcohols  
Amines

#### 10.6. Hazardous decomposition products

Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Oxides of sulphur

### Section 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### Information on Likely Routes of Exposure

###### **Eye Contact**

No information available

###### **Skin contact**

No information available

###### **INGESTION**

No information available

###### **INHALATION**

No information available

##### Numerical Measures of Toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

**UNKNOWN ACUTE TOXICITY**      0% of the mixture consists of ingredient(s) of unknown toxicity.

##### Numerical Measures of Toxicity - Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Trizinc diphosphate	> 5000 mg/kg ( Rat )		

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin Corrosion/Irritation</b>	No information available
<b>Serious eye damage/eye irritation</b>	No information available
<b>Skin Sensitisation</b>	No information available
<b>Respiratory Sensitisation</b>	No information available
<b>Germ Cell Mutagenicity</b>	No information available
<b>Carcinogenicity</b>	No information available
<b>Reproductive toxicity</b>	No information available
<b>Specific target organ toxicity (single exposure)</b>	No information available
<b>Specific target organ toxicity (repeated exposure)</b>	No information available
<b>Aspiration Hazard</b>	Not applicable

### Section 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

Environmental Precautions      Prevent product from entering drains

#### 12.2. Persistence and degradability

No information available.



### 12.3. Bioaccumulative potential

#### **Bioaccumulation**

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### **Environmental Precautions**

Prevent product from entering drains  
Keep out of waterways

#### **Waste from Residues/Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations

#### **Contaminated Packaging**

Improper disposal or reuse of this container may be dangerous and illegal  
Empty containers must be scrapped or reconditioned

#### **European Waste Catalogue**

<b>Product</b>	08 02 01
<b>Packaging</b>	15 01 10*

## Section 14: TRANSPORT INFORMATION

<b>14.1 UN/ID no</b>	<b>IMDG</b> NOT REGULATED	<b>RID</b> NOT REGULATED	<b>ADR</b> NOT REGULATED	<b>IATA</b> NOT REGULATED	<b>ADN</b> NOT REGULATED
<b>14.2 Proper Shipping Name</b>					

#### **14.3 Hazard class**

#### **14.4 Packing group**

#### **14.5 Environmental hazard**

#### **14.6 Special Provisions**

#### **14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC CODE**

No information available

*The supplier may apply one of the following exceptions: Combustible Liquid (49 CFR 173.150(f)); Consumer Commodity (49 CFR 173.150(c), ICAO/IATA SP A112); Limited Quantity (49 CFR 173.150(b), ICAO Part 3 Chapter 4, IATA 2.7, IMDG Chapter 3.4); Viscous Liquid (49 CFR 173.121(b), IMDG 2.3.2.2, IATA 3.3.3.1.1, ICAO 3.2.2, ADR 2.2.3.1.5); Does Not Sustain Combustion (49 CFR 173.120(a), IATA 3.3.1.3, ICAO 3.1.3, IMDG 2.3.1.3, ADR 2.2.3.1.1 Note 1); or others as allowed under hazardous materials/dangerous goods regulations.*

## Section 15: REGULATORY INFORMATION

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

## European Union

### National Regulations

#### Germany Water hazard class 3 (WGK)

TA Luft (German Air Pollution Control Regulation)

Class 1	Class 2	Class 3	Class 4
0 %	0 %	11.28 %	0 %
31 . BlmSchV		0	
Danish MAL Code		00 - 1	

### 15.2. Chemical safety assessment

No information available

## Section 16: OTHER INFORMATION

### Supplier Address

Inver UK Ltd.  
Goodlass Road  
Liverpool, Merseyside L24 9HJ  
+44 (0) 151 486 0486

Inver S.p.A.  
Via di Corticella, 205  
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39 051 6380411

Inver Polska SP.Z.O.O.  
UL. Metalowców 49  
Debica 39-200 Poland  
+48 14 680 90 20

Inver France S.A.S.  
2 Rue Jean Devaux  
Boîte Postale 88  
Thouars 79102  
Phone: +33 5 49 96 025 00

Inver S.p.A.  
10/A Via Marconi  
Minerbio BO 40061  
Phone: +39 051 660 6811

### Full text of H-Statements referred to under sections 2 and 3

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

**Prepared by** Product Stewardship

**Revision Date** 27-Jan-2021

**Revision note** No information available.

### Disclaimer

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation and EU guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. UNLESS SUPPLIER AGREES OTHERWISE IN WRITING, SUPPLIER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. SUPPLIER WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

**End of Safety Data Sheet**