

**1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** GLOSS ORANGE PAINT - RAL2004**Article number:** P314**1.2 Relevant identified uses of the substance or mixture and uses advised against****Product category:** PC9a: Coatings and paints, thinners, paint removers.**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:** TYGRIS Industrial  
Unit 31, Kyle Road Industrial Estate  
Irvine  
Ayrshire  
KA12 8LE  
Tel +44 (0) 1294 311 066  
Fax +44 (0) 1294 277 115  
Email [technical@tygrisindustrial.com](mailto:technical@tygrisindustrial.com)**Further information obtainable from:** Technical Department**1.4 Emergency telephone number:** Tel +44 (0) 1294 311 066

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

**Physical hazards:** Aerosol 1 - H222, H229  
**Health hazards:** Eye Irrit. 2 - H319 STOT SE 3 - H336

### 2.2. Label elements

**Hazard Statements:** H222: Extremely flammable aerosol.  
H229: Pressurised container: may burst if heated  
H319: Causes serious eye irritation.  
H336: May cause drowsiness or dizziness.

**Hazard pictograms:** GHS02: Flame  
GHS07: Exclamation mark



**Signal Word:** Danger

**Precautionary Statements:** P102: Keep out of reach of children.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211: Do not spray on an open flame or other ignition source.  
P251: Do not pierce or burn, even after use.  
P260: Do not breathe spray.  
P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
P501: Dispose of contents/container in accordance with local regulations.

**Contains:** acetone, ethyl acetate, n-butyl acetate, butan-1-ol

**Additional information:** EUH066: Repeated exposure may cause skin dryness or cracking.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

### 3. Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous ingredients:

##### ACETONE

(Registration number: 01-2119471330-49-XXXX)

EC	CAS	Index number	CLP Classification	Percent
200-662-2	67-64-1	606-001-00-8	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	25-50%

##### DIMETHYL ETHER

(Registration number: 01-2119472128-37-xxxx)

204-065-8	115-10-6	603-019-00-8	Flam. Gas 1 - H220 Press. Gas C - H280	20-25%
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##### ETHYL ACETATE

(Registration number: 01-2119475103-46)

205-500-4	141-78-6	607-022-00-5	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	5-10%
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##### PROPANE

(Registration number: 01-2119486944-21-xxxx)

200-827-9	74-98-6	601-003-00-5	Flam. Gas 1 - H220 Press. Gas C - H280	5-10%
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##### N-BUTYL ACETATE

(Registration number: 01-2119485493-29-xxxx)

204-658-1	123-86-4	607-025-00-1	Flam. Liq. 3 - H226 STOT SE 3 - H336	5-10%
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##### BUTANE

(Registration number: 01-2119474691-32-xxxx)

203-448-7	106-97-8	601-004-00-0	Flam. Gas 1 - H220 Press. Gas C - H280	5-10%
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##### ISOBUTANE

(Registration number: 01-2119485395-27-xxxx)

200-857-2	75-28-5	601-004-00-0	Flam. Gas 1 - H220 Press. Gas C - H280	5-10%
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##### 2-METHOXY-1-METHYLETHYL ACETATE

(Registration number: 01-2119475791-29-xxxx)

203-603-9	108-65-6	607-195-00-7	Flam. Liq. 3 - H226	5-10%
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BUTAN-1-OL  
 (Registration number: 01-2119484630-38-xxxx)

200-751-6	71-36-3	603-004-00-6	Flam. Liq. 3 - H226 Eye Dam. 1 - H318 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 STOT SE 3 - H335-H336	1-2.5%
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NITROCELLULOSE SOLUTIONS,  
 with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose

-	9004-70-0	-	Flam. Sol. 1 - H228	1-2.5%
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PROPAN-2-OL  
 (Registration number: 01-2119457558-25-xxxx)

200-661-7	67-63-0	603-117-00-0	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	1-2.5%
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The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

- Skin contact:** Generally the product does not irritate the skin.
- Eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- Ingestion:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- Inhalation:** Supply fresh air; consult doctor in case of complaints.

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

**Important symptoms / effects:** No further relevant information available.

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

**Immediate / special treatment:** No further relevant information available.

## 5. Firefighting measures

### 5.1 Extinguishing media

**Extinguishing media:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Unsuitable extinguishing media:** Water with full jet.

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

**Exposure hazards:** No further relevant information available.

### 5.3. Advice for fire-fighters

**Special protective equipment for firefighters:** No special measures required.

## 6. Accidental release measures

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

**Personal precautions:** Ensure adequate ventilation. Keep away from ignition sources.

### 6.2. Environmental precautions

**Environmental precautions:** Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.

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

**Clean-up procedures:** Ensure adequate ventilation.

### 6.4. Reference to other sections

**Reference to other sections:** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## 7. Handling and storage

### 7.1 Precautions for safe handling

**Handling requirements:** Ensure good ventilation/exhaustion at the workplace.

**Fire and explosion protection:** Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Protect against electrostatic charges.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

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

**Storage conditions:** Store in a cool location. Observe official regulations on storing packagings with pressurised containers. Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

**Specific end use(s):** No further relevant information available.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limits:

#### ACETONE 67-64-1

Long-term exposure limit (8-hour TWA)	Short-term exposure limit (15-minute)	Carcinogenic
WEL 500 ppm, 1210 mg/m <sup>3</sup>	WEL 1500 ppm, 3620 mg/m <sup>3</sup>	-

#### DIMETHYL ETHER 115-10-6

WEL 400 ppm, 766 mg/m <sup>3</sup>	WEL 500 ppm, 958 mg/m <sup>3</sup>	-
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#### ETHYL ACETATE 141-78-6

WEL 200 ppm	WEL 400 ppm	-
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#### N-BUTYL ACETATE 123-86-4

WEL 150 ppm, 724 mg/m <sup>3</sup>	WEL 200 ppm, 966 mg/m <sup>3</sup>	-
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#### BUTANE 106-97-8

WEL 150 ppm, 724 mg/m <sup>3</sup>	WEL 200 ppm, 966 mg/m <sup>3</sup>	If more than 0.1% of buta-1.3-diene
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#### 2-METHOXY-1-METHYLETHYL ACETATE 108-65-6

WEL 50 ppm, 274 mg/m <sup>3</sup>	WEL 100 ppm, 548 mg/m <sup>3</sup>	-
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#### BUTAN-1-OL 71-36-3

-	WEL 50 ppm, 154 mg/m <sup>3</sup>	-
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#### PROPAN-2-OL 67-63-0

WEL 400 ppm, 999 mg/m <sup>3</sup>	WEL 500 ppm, 1250 mg/m <sup>3</sup>	-
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WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### Protective equipment:



#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes. Avoid contact with the eyes and skin.

#### Respiratory protection:

Not required.

#### Hand protection:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

#### Eye protection:

Tightly sealed goggles.

## 9. Physical and chemical properties

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

<b>State:</b>	Aerosol
<b>Colour:</b>	Orange
<b>Odour:</b>	Solvent-like
<b>Initial boiling point and range:</b>	Not applicable, as aerosol.
<b>Flash point:</b>	Not applicable, as aerosol.
<b>Ignition temperature:</b>	240°C (464°F)
<b>Self-igniting:</b>	Product is not selfigniting.
<b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Explosion limits:</b>	Lower: 2.6 Vol % Upper: 26.2 Vol %
<b>Vapour pressure:</b>	4000 hPa (3000 mm Hg) @ 20°C (68°F)
<b>Density:</b>	0.748 g/cm <sup>3</sup> (6.242 lbs/gal) @ 20°C (68°F)
<b>Solubility(ies):</b>	Not miscible or difficult to mix.
<b>Solvent content:</b>	90.9% organic solvents
<b>EU-VOC:</b>	681.2 g/l
<b>EU-VOC in %:</b>	90.89%
<b>Water:</b>	0.3%
<b>Solids content:</b>	8.7%

### 9.2. Other information

**Other information:** No further relevant information available.

## 10. Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No further relevant information available.

### 10.2. Chemical stability

**Chemical stability:** No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** No dangerous reactions known.

### 10.4. Conditions to avoid

**Conditions to avoid:** No further relevant information available.

### 10.5. Incompatible materials

**Materials to avoid:** No further relevant information available.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products:** No dangerous decomposition products known.



## 11. Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

##### ACETONE 67-64-1

Oral	RAT	LD50	5800	mg/kg
Dermal	RBT	LD50	20000	mg/kg
Inhalative	RAT	4H LC50	39	mg/m <sup>3</sup>

##### DIMETHYL ETHER 115-10-6

Inhalative	RAT	4H LC50	308	mg/m <sup>3</sup>
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##### ETHYL ACETATE 141-78-6

Oral	RBT	LD50	5620	mg/kg
Dermal	RBT	LD50	>18000	mg/kg
Inhalative	RAT	4H LC50	1600	mg/m <sup>3</sup>

##### N-BUTYL ACETATE 123-86-4

Oral	RAT	LD50	10770	mg/kg
Dermal	RBT	LD50	>17600	mg/kg
Inhalative	RAT	4H LC50	>21.0	mg/m <sup>3</sup>

##### BUTANE 106-97-8

Inhalative	RAT	4H LC50	658000	mg/m <sup>3</sup>
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##### 2-METHOXY-1-METHYLETHYL ACETATE 108-65-6

mg/m <sup>3</sup>	RAT	LD50	8532	mg/kg
Dermal	RBT	LD50	>5000	mg/kg
Inhalative	RAT	4H LC50	35.7	mg/m <sup>3</sup>

##### BUTAN-1-OL 71-36-3

Oral	RAT	LD50	2292	mg/kg
Dermal	RBT	LD50	3430	mg/kg
Inhalative	RAT	4H LC50	17.76	mg/m <sup>3</sup>

##### PROPAN-2-OL 67-63-0

Oral	RAT	LD50	5045	mg/kg
Dermal	RBT	LD50	12800	mg/kg
Inhalative	RAT	4H LC50	30	mg/m <sup>3</sup>

**Primary irritant effect**

**Skin contact:** No data available.  
**Eye contact:** Causes serious eye irritation.  
**Inhalation:** No data available.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Germ cell mutagenicity:** No data available.  
**Carcinogenicity:** No data available.  
**Reproductive toxicity:** No data available.  
**STOT-single exposure:** May cause drowsiness or dizziness.  
**STOT-repeated exposure:** No data available.  
**Aspiration hazard:** No data available.

## 12. Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

##### ACETONE 67-64-1

DAPHNIA MAGNA	48H EC50	8800	mg/l
DAPHNIA MAGNA	48H LC50	2262	mg/l
FISH	96H LC50 (static)	5540	mg/l

##### DIMETHYL ETHER 115-10-6

DAPHNIA MAGNA	48H EC50	4000	mg/l
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##### ETHYL ACETATE 141-78-6

DAPHNIA MAGNA	24H EC50	2500	mg/l
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##### N-BUTYL ACETATE 123-86-4

DAPHNIA MAGNA	48H EC50	44	mg/l
ALGAE	96H EC50	320	mg/l
FISH	24H LC50	205	mg/l
PIMEPHALES PROMELAS	96H LC50	18	mg/l

##### 2-METHOXY-1-METHYLETHYL ACETATE 108-65-6

DAPHNIA MAGNA	EC50	408	mg/l
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##### BUTAN-1-OL 71-36-3

DAPHNIA MAGNA	48H EC50	1328	mg/l
ALGAE	72H EC50	8500	mg/l
PIMEPHALES PROMELAS	96H LC50	1376	mg/l

##### PROPAN-2-OL 67-63-0

DAPHNIA MAGNA	48H EC50	13299	mg/l
FISH	96H LC50 (dynamic)	4200	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** No further relevant information available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No further relevant information available.

**12.4. Mobility in soil**

**Mobility:** No further relevant information available.

**Additional ecological information:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** No further relevant information available.

**13. Disposal considerations****13.1. Waste treatment methods**

**General information:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**European waste catalogue:** 08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances.  
15 01 04 metallic packaging.

**Uncleaned packaging:** Non contaminated packagings may be recycled.

**14. Transport information**

**UN Number (ADR):** 1950

**UN Number (IMDG):** 1950

**UN Number (IATA):** 1950

**14.2 UN proper shipping name**

**Proper shipping name (ADR):** 1950 AEROSOLS

**Proper shipping name (IMDG):** AEROSOLS

**Proper shipping name (IATA):** AEROSOLS, flammable

**14.3. Transport hazard class(es)**

**ADR class:** 2,5F Gases

**ADR label:** 2.1

**IMDG, IATA class:** 2.1

**IMDG, IATA label:** 2.1

**Transport labels:**



**14.4. Packing group**

**Packing group:** Not applicable.

**14.5 Environmental hazards**

**Marine pollutant:** No.

**14.6 Special precautions for user**

**Warning:** Gases

**EmS:** F-D, S-U

**Stowage code:** SW1 Protected from sources of heat.  
SW22 For AEROSOLS with a maximum capacity of 1 litre:  
Category A. For AEROSOLS with a capacity above 1 litre:  
Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

**Segregation code:** SG69 For AEROSOLS with a maximum capacity of 1 litre:  
Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.  
For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate  
subdivision of class 2. For WASTE AEROSOLS:  
Segregation as for the appropriate subdivision of class 2.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

**Transport/Additional information:**

**ADR/IMDG Limited quantities (LQ)** 1L

**ADR/IMDG Excepted quantities (EQ)** Code: E0  
Not permitted as Excepted Quantity

**ADR/IMDG Transport category:** 2

**ADR/IMDG Tunnel restriction code:** D

**UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

## 15. Regulatory information

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

Directive 2012/18/EU

**Named dangerous substances - ANNEX I:** None of the ingredients is listed.

**Seveso category:** P3a FLAMMABLE AEROSOLS

**Qualifying quantity (tonnes) for the application of lower-tier requirements:** 150 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements:** 500 t

**Chemical safety assessment:** No chemical safety assessment has been carried out.

## 16. Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

**Phrases used in s.2 and s.3:** H220: Extremely flammable gas.  
 H225: Highly flammable liquid and vapour.  
 H226: Flammable liquid and vapour.  
 H228: Flammable solid.  
 H280: Contains gas under pressure; may explode if heated.  
 H302: Harmful if swallowed.  
 H315: Causes skin irritation.  
 H318: Causes serious eye damage.  
 H319: Causes serious eye irritation.  
 H335: May cause respiratory irritation.  
 H336: May cause drowsiness or dizziness.

**Phrases used in s.2 and s.3:** ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Gas 1: Flammable gases – Category 1  
 Aerosol 1: Aerosols – Category 1  
 Press. Gas C: Gases under pressure – Compressed gas  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Flam. Sol. 1: Flammable solids – Category 1  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**Legal disclaimer** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.