

1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name:** MATT BLACK PAINT - RAL9005**Article number:** P300**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**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.
P260: Do not breathe spray.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251: Do not pierce or burn, even after use.
P211: Do not spray on an open flame or other ignition source.
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: CO₂, 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 ³	WEL 1500 ppm, 3620 mg/m ³	-

DIMETHYL ETHER 115-10-6

WEL 400 ppm, 766 mg/m ³	WEL 500 ppm, 958 mg/m ³	-
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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 ³	WEL 200 ppm, 966 mg/m ³	-
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BUTANE 106-97-8

WEL 150 ppm, 724 mg/m ³	WEL 200 ppm, 966 mg/m ³	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 ³	WEL 100 ppm, 548 mg/m ³	-
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BUTAN-1-OL 71-36-3

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

WEL 400 ppm, 999 mg/m ³	WEL 500 ppm, 1250 mg/m ³	-
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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

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

DIMETHYL ETHER 115-10-6

Inhalative	RAT	4H LC50	308	mg/m ³
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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 ³

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 ³

BUTANE 106-97-8

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

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

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 ³

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 ³

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

15.2. Chemical safety assessment

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.