

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

**SAFETY DATA SHEET**

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product name : PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

Product code : 632007305

UFI : 2RN5-J0KP-4007-7TUX

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

As spray

PAINT

PROFESSIONAL USE

1.3. Details of the supplier of the safety data sheet

A.M.P.E.R.E. SYSTEM

3 rue Antoine Balard - Z.I. du Vert Galant

95310 Saint-Ouen-l'Aumône - FRANCE

Tél: + 33 1 34 64 72 72 / Fax: +33 1 30 37 55 17

fds@amperesystem.com

1.4. Emergency telephone number : 0344 892 0111**SECTION 2 : HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****In compliance with EC regulation No. 1272/2008 and its amendments.**

Aerosol, Category 1 (Aerosol 1, H222 - H229).

Repeated exposure may cause skin dryness or cracking (EUH066).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).

Aspiration hazard, Category 1 (Asp. Tox. 1, H304).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

2.2. Label elements

The mixture is an aerosol fitted with a sealed spray attachment.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS02



GHS07

Signal Word :

DANGER

Product identifiers :

EC 201-159-0

BUTANONE

Hazard statements :

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

H412

Harmful to aquatic life with long lasting effects.

EUH066

Repeated exposure may cause skin dryness or cracking.

Precautionary statements - General :

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

Precautionary statements - Prevention :

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.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...

Precautionary statements - Response :

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/... if you feel unwell.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Precautionary statements - Storage :

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Precautionary statements - Disposal :

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 115-10-6 EC: 204-065-8 REACH: 01-2119472128-37-XXXX DIMETHYL ETHER	GHS02 Dgr Flam. Gas 1, H220 Press. Gas, H280	[1] [7]	50 \leq x % < 100
CAS: 109-87-5 EC: 203-714-2 REACH: 01-2119664781-31-XXXX DIMÉTHOXYMÉTHANE	GHS02 Dgr Flam. Liq. 2, H225	[1]	10 \leq x % < 25
CAS: 78-93-3 EC: 201-159-0 REACH: 01-2119457290-43-XXXX BUTANONE	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	2.5 \leq x % < 10
CAS: 64742-95-6 EC: 918-668-5 REACH: 01-2119455851-35-XXXX HYDROCARBONS, C9, AROMATICS	GHS09, GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH:066		2.5 \leq x % < 10
EC: 905-588-0 REACH: 01-2119486136-34-xxxx PRODUCT OF REACTION OF ETHYLBENZENE AND XYLENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373		0 \leq x % < 2.5

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

CAS: 7429-90-5 EC: 231-072-3 REACH: 01-2119529243-45-xxxx	GHS02 Dgr Flam. Sol. 1, H228	T [1]	0 ≤ x % < 2.5
ALUMINIUM POWDER (STABILISED)			

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 109-87-5 EC: 203-714-2 REACH: 01-2119664781-31-XXXX DIMÉTHOXYMÉTHANE		oral: ATE = 6423 mg/kg BW
CAS: 78-93-3 EC: 201-159-0 REACH: 01-2119457290-43-XXXX BUTANONE		inhalation: ATE = 34 mg/l 4h (dust/mist) oral: ATE = 2193 mg/kg BW
CAS: 64742-95-6 EC: 918-668-5 REACH: 01-2119455851-35-XXXX HYDROCARBONS, C9, AROMATICS		oral: ATE = 3592 mg/kg BW
EC: 905-588-0 REACH: 01-2119486136-34-xxxx PRODUCT OF REACTION OF ETHYLBENZENE AND XYLENE		oral: ATE = 3523 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

[7] Propellant gas

Other data :

The percentage of the propellant gas is not taken into account in the aerosol's labeling.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures**In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

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

No data available.

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

No data available.

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM**SECTION 5 : FIREFIGHTING MEASURES**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

Pressurized container

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating areas.

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

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Do not breathe vapors

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Never inhale this mixture.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Avoid inhaling vapors.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid skin and eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

Do not pierce or burn even after use.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

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

Keep away from food and drink, including those for animals.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

It's to recommend to indicate the stock of spray. Sprays must be surrounded by a metal grating or by wall to avoid the projections of sprays.

Store between +5°C and +30°C

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
115-10-6	1920	1000	-	-	-
78-93-3	600	200	900	300	-

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
109-87-5	1000 ppm				
78-93-3	200 ppm	300 ppm		BEI	

PROFESSIONNAL PAINT® HIGH TEMPERATURE ALUMINIUM

7429-90-5	2 mg/m3	-	-	-	-
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- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
115-10-6		1000 ppm 1900 mg/m ³		8(II)
109-87-5		500 ppm 1600 mg/m ³		2(II)
78-93-3		200 ppm 600 mg/m ³		1(I)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
115-10-6	1000	1920	-	-	-	-
109-87-5	1000	3100	-	-	-	84
78-93-3	200	600	300	900	*	84
7429-90-5	-	10	-	-	-	-

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
115-10-6	400 ppm 766 mg/m ³	500 ppm 958 mg/m ³			
109-87-5	1000 ppm 3160 mg/m ³	1250 ppm 3950 mg/m ³			
78-93-3	200 ppm 600 mg/m ³	300 ppm 899 mg/m ³		Sk. BMGV	
7429-90-5	2 mg/m3	-	-	-	-

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

ALUMINIUM POWDER (STABILISED) (CAS: 7429-90-5)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Inhalation.
Long term systemic effects.
3.72 mg of substance/m3

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term local effects.
3.72 mg of substance/m3

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Ingestion.
Long term systemic effects.
3.95 mg/kg body weight/day

PRODUCT OF REACTION OF ETHYLBENZENE AND XYLENE

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
180 mg/kg body weight/day

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Short term systemic effects.
289 mg of substance/m3

Exposure method:
Potential health effects:
DNEL :

Inhalation.
Long term systemic effects.
77 mg of substance/m3

HYDROCARBONS, C9, AROMATICS (CAS: 64742-95-6)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
25 mg/kg body weight/day

Exposure method:
Potential health effects:

Inhalation.
Long term systemic effects.

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

DNEL :	150 mg of substance/m3
Final use:	Consumers.
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	11 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	11 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	32 mg of substance/m3
BUTANONE (CAS: 78-93-3)	
Final use:	Workers.
Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	1161 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	600 mg of substance/m3
Final use:	Consumers.
Exposure method:	Ingestion.
Potential health effects:	Long term local effects.
DNEL :	31 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	412 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	106 mg of substance/m3
DIMÉTHOXYMÉTHANE (CAS: 109-87-5)	
Final use:	Workers.
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	17.9 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	126.6 mg of substance/m3
Final use:	Consumers.
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	18.1 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	18.1 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	31.5 mg of substance/m3

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM**Predicted no effect concentration (PNEC):**

ALUMINIUM POWDER (STABILISED) (CAS: 7429-90-5)	
Environmental compartment:	Fresh water.
PNEC :	17.8 mg/l
PRODUCT OF REACTION OF ETHYLBENZENE AND XYLENE	
Environmental compartment:	Fresh water.
PNEC :	0.327 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	12.46 mg/l
BUTANONE (CAS: 78-93-3)	
Environmental compartment:	Soil.
PNEC :	22.5 mg/kg
Environmental compartment:	Fresh water.
PNEC :	55.8 mg/l
Environmental compartment:	Sea water.
PNEC :	55.8 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	55.8 mg/l
Environmental compartment:	Waste water treatment plant.
PNEC :	709 mg/l
DIMÉTHOXYMÉTHANE (CAS: 109-87-5)	
Environmental compartment:	Soil.
PNEC :	4.6538 mg/kg
Environmental compartment:	Fresh water.
PNEC :	14.577 mg/l
Environmental compartment:	Sea water.
PNEC :	1.4577 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	13.135 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	1.3135 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	10000 mg/l

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid inhaling vapors.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Type of FFP mask :

Wear a disposable half-mask aerosol filter in accordance with standard EN149/A1.

Category :

- FFP1

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

Particle filter according to standard EN143 :

- P1 (White)

Exposure controls linked to environmental protection

Do not empty into drains.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Spray :	pressure to 20°C : 2.5 bars
Booster :	colorless liquid propellant / exposed characteristics (%vol) : 3.3 - 26.20
Physical state	
Physical state :	Fluid liquid.
Colour	
Unspecified	
Odour	
Odour threshold :	Not stated.
Melting point	
Melting point/melting range :	Not relevant.
Freezing point	
Freezing point / Freezing range :	Not stated.
Boiling point or initial boiling point and boiling range	
Boiling point/boiling range :	Not relevant.
Flammability	
Flammability (solid, gas) :	Not stated.
Lower and upper explosion limit	
Explosive properties, lower explosivity limit (%) :	Not stated.
Explosive properties, upper explosivity limit (%) :	Not stated.

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM**Flash point**

Flash point interval : Not relevant.

Auto-ignition temperature

Self-ignition temperature : Not relevant.

Decomposition temperature

Decomposition point/decomposition range : Not relevant.

pH

pH (aqueous solution) : Not stated.

pH : Not relevant.

Kinematic viscosity

Viscosity : Not stated.

Solubility

Water solubility : Insoluble.

Fat solubility : Not stated.

Partition coefficient n-octanol/water (log value)

Partition coefficient: n-octanol/water : Not stated.

Vapour pressure

Vapour pressure (50°C) : Below 110 kPa (1.10 bar).

Density and/or relative density

Density : < 1

Relative vapour density

Vapour density : Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

Aerosols

Chemical combustion heat : ≥ 30 kJ/g.

9.2.2. Other safety characteristics

No data available.

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

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

Avoid storing more than 2 years

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heating

- heat

Keep away from oxidizing agent, acids or base

10.5. Incompatible materials**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1. Substances

Acute toxicity :

PRODUCT OF REACTION OF ETHYLBENZENE AND XYLENE

Oral route : LD50 = 3523 mg/kg
Species : Rat

Species : Rabbit

HYDROCARBONS, C9, AROMATICS (CAS: 64742-95-6)

Oral route : LD50 = 3592 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)Dermal route : LD50 > 3160 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

BUTANONE (CAS: 78-93-3)

Oral route : LD50 = 2193 mg/kg
Species : Rat
OECD Guideline 423 (Acute Oral toxicityAcute Toxic Class Method)Dermal route : LD50 > 5000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)Inhalation route (Dusts/mist) : LC50 = 34 mg/l
Species : Rat
Duration of exposure : 4 h

DIMÉTHOXYMÉTHANE (CAS: 109-87-5)

Oral route : LD50 = 6423 mg/kg
Species : RatDermal route : LD50 > 5000 mg/kg
Species : Rabbit

Skin corrosion/skin irritation :

BUTANONE (CAS: 78-93-3)
Species : Rabbit
OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Respiratory or skin sensitisation :

BUTANONE (CAS: 78-93-3)
Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
Species : Others
OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity :

BUTANONE (CAS: 78-93-3)
No mutagenic effect.

Carcinogenicity :

BUTANONE (CAS: 78-93-3)
Carcinogenicity Test : Negative.
No carcinogenic effect.

11.1.2. Mixture

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM**Skin corrosion/skin irritation :**

Repeated exposure may cause skin dryness or cracking.

Serious damage to eyes/eye irritation :

May cause eye irritation

Specific target organ systemic toxicity - single exposure :

May cause drowsiness and dizziness.

Aspiration hazard :

May be fatal if swallowed and enters airways.

Aspiration toxicity includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration.

11.2. Information on other hazards**SECTION 12 : ECOLOGICAL INFORMATION**

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity**12.1.1. Substances****PRODUCT OF REACTION OF ETHYLBENZENE AND XYLENE**

Fish toxicity : LC50 = 2.6 mg/l
Species : *Oncorhynchus mykiss*
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 1 mg/l
Species : *Daphnia magna*
Duration of exposure : 24 h

Algae toxicity : ECr50 = 2.2 mg/l
Duration of exposure : 72 h

HYDROCARBONS, C9, AROMATICS (CAS: 64742-95-6)

Fish toxicity : LC50 = 9.2 mg/l
Species : *Oncorhynchus mykiss*
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

0,1 < NOEC <= 1 mg/l

Crustacean toxicity : EC50 = 3.2 mg/l
Species : *Daphnia magna*
Duration of exposure : 48 h
OECD Guideline 202 (*Daphnia* sp. Acute Immobilisation Test)

0,1 < NOEC <= 1 mg/l

Algae toxicity : ECr50 = 2.9 mg/l
Species : *Pseudokirchnerella subcapitata*
Duration of exposure : 72 h

0,1 < NOEC <= 1 mg/l

Aquatic plant toxicity : 0,1 < NOEC <= 1 mg/l

BUTANONE (CAS: 78-93-3)

Fish toxicity : LC50 = 2993 mg/l
Species : *Pimephales promelas*
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : EC50 = 308 mg/l
Species : *Daphnia magna*
Duration of exposure : 48 h

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM

	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 = 1972 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h
DIMÉTHOXYMÉTHANE (CAS: 109-87-5) Fish toxicity :	LC50 > 1000 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 1200 mg/l Species : Daphnia magna Duration of exposure : 48 h
Aquatic plant toxicity :	ECr50 > 10000 mg/l Species : Others Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability**12.2.1. Substances****PRODUCT OF REACTION OF ETHYLBENZENE AND XYLENE**

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

HYDROCARBONS, C9, AROMATICS (CAS: 64742-95-6)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

BUTANONE (CAS: 78-93-3)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

DIMÉTHOXYMÉTHANE (CAS: 109-87-5)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential**12.3.1. Substances****HYDROCARBONS, C9, AROMATICS (CAS: 64742-95-6)**

Octanol/water partition coefficient : log K_{ow} = 4

BUTANONE (CAS: 78-93-3)

Octanol/water partition coefficient : log K_{ow} = 0.3

DIMÉTHOXYMÉTHANE (CAS: 109-87-5)

Octanol/water partition coefficient : log K_{ow} = 0

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 2 : Hazardous for water.

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Do not pierce or burn even after use.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

14.1. UN number or ID number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

14.3. Transport hazard class(es)

- Classification :



2.1

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	2	See SP63	-	See SP277	F-D. S-U	63 190 277 327 344 381 959	E0	- SW1 SW22	SG69

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	203	75 kg	203	150 kg	A145 A167 A802	E0
	2.1	-	-	Y203	30 kg G	-	-	A145 A167 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

PROFESSIONAL PAINT® HIGH TEMPERATURE ALUMINIUM**- Container information:**

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH): <https://echa.europa.eu/substances-restricted-under-reach>.

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 2 : Hazardous for water.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 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.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure . Toxic to aquatic life with long lasting effects.
H411	Repeated exposure may cause skin dryness or cracking.
EUH066	

Abbreviations :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period. EC50 :

The effective concentration of substance that causes 50% of the maximum response. ECr50 :

The effective concentration of substance that causes 50% reduction in growth rate. NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances. ATE :

Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS02 : Flame

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.

DISCLAIMER

The information contained in this sheet comes from reliable sources. It has been drawn up based on our knowledge at the time of the most recent update, as indicated. This information is intended as an aid to the user and should not be considered as a guarantee.

Conditions or methods of handling, storage, use or disposal of the product are outside our control, and we may not be held responsible for any loss, damage or expenses incurred as a result of, or in connection with, the latter.

All substances or mixtures can present unknown dangers and must be used with caution. We cannot guarantee that all dangers have been set out in an exhaustive manner.

This sheet has been drawn up for, and must be used for, this product only. If the product is used as a component in another product, the information given with it may not be applicable.

This sheet does not under any circumstances exempt the user from complying with all laws, regulations and administrative requirements related to the product, health and safety, and the protection of human health and the environment.