



Safety Data Sheet according to HPR, Schedule 1

Printing date 07/17/2024

Reviewed on 07/17/2024

1 Identification

- **Product identifier**
- **Trade name:** 599C BASECOAT METTALITE ALUMINUM
- **Article number:** 599C
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
General Paint Co. S.A.L.
P.O. Box 7623
Beirut
LEBANON
info@generalpaint.biz
- **Information department:** Product Safety Department
- **Emergency telephone number:** 1-800-535-5053 contract number (89244)

2 Hazard identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 3

H226

Flammable liquid and vapour.

Substances and Mixtures Which, in Contact with
Water, Emit Flammable Gases - Category 1

H260

In contact with water releases
flammable gases which may ignite
spontaneously.

GHS08 Health hazard

Carcinogenicity – Category 2

H351

Suspected of causing cancer.

Specific Target Organ Toxicity - Repeated Exposure H372-H373
- Category 1Causes damage to the central
nervous system through prolonged or
repeated exposure. May cause
damage to the hearing organs
through prolonged or repeated
exposure.

GHS07

Skin Irritation - Category 2

H315

Causes skin irritation.

Eye Irritation - Category 2A

H319

Causes serious eye irritation.

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Specific Target Organ Toxicity - Single Exposure - H336
Category 3

May cause drowsiness or dizziness.

• **Label elements**

• **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

• **Hazard pictograms**



GHS02 GHS07 GHS08

• **Signal word** Danger

• **Hazard-determining components of labeling:**

4-chloro-alpha,alpha,alpha-trifluorotoluene
methyl acetate
Stoddard solvent
ethylbenzene

• **Hazard statements**

Flammable liquid and vapour.
In contact with water releases flammable gases which may ignite spontaneously.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
May cause drowsiness or dizziness.
Causes damage to the central nervous system through prolonged or repeated exposure. May cause damage to the hearing organs through prolonged or repeated exposure.

• **Precautionary statements**

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not allow contact with water.
Handle and store contents under inert gas. Protect from moisture.
Ground and bond container and receiving equipment.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Use non-sparking tools.
Take actions to prevent static discharges.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.

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Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO₂, sand, extinguishing powder to extinguish.

Store in a dry place. Store in a closed container.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

• **Classification system:**

• **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 3

Reactivity = 2

The substance demonstrates unusual reactivity with water.

• **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 3

Reactivity = 2

3 Composition/Information on ingredients

• **Chemical characterization: Mixtures**

• **Description:** Mixture of the substances listed below with nonhazardous additions.

• **Dangerous components:**

79-20-9	methyl acetate	15-40% w/w *
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	10-30% w/w *

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64742-95-6	Solvent naphtha (petroleum), light arom.	1-5% w/w *
1330-20-7	xylene	1-5% w/w *
763-69-9	ethyl 3-ethoxypropionate	1-5% w/w *
7429-90-5	aluminium	1-5% w/w *
8052-41-3	Stoddard solvent	0.5-1.5% w/w *
100-41-4	ethylbenzene	0.5-1.5% w/w *

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures

- **Description of first aid measures**

- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** If symptoms persist consult doctor.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

Extinguishing powder. Do not use water.

CO₂. Do not use water.

Sand. Do not use water.

Special powder for metal fires. Do not use water.

CO₂, sand, extinguishing powder. Do not use water.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- **Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

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- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **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

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 4.3
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/ Personal protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

79-20-9 methyl acetate

EL	STEL: 250 ppm TWA: 200 ppm
EV	STEL: 755 mg/m ³ , 250 ppm TWA: 605 mg/m ³ , 200 ppm

1330-20-7 xylene

EL	STEL: 150 ppm TWA: 100 ppm
EV	STEL: 650 mg/m ³ , 150 ppm TWA: 435 mg/m ³ , 100 ppm

763-69-9 ethyl 3-ethoxypropionate

EV	TWA: 300 mg/m ³ , 50 ppm
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8052-41-3 Stoddard solvent

EL	STEL: 580 mg/m ³ TWA: 290 mg/m ³
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100-41-4 ethylbenzene

EL	TWA: 20 ppm IARC 2B
EV	STEL: 540 mg/m ³ , 125 ppm TWA: 435 mg/m ³ , 100 ppm

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal 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.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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Protection of hands:

Protective gloves

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.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Liquid
Color:	Grey
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	57 °C

Flash point: 24 °C

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· Flammability (solid, gaseous):	Flammable. Contact with water liberates extremely flammable gases.
· Auto igniting:	455 °C
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits: Lower:	3.1 Vol %
Upper:	16 Vol %
· Vapor pressure at 20 °C:	220 hPa
· Density at 20 °C:	1.119 g/cm ³
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity: Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content: Organic solvents:	75.0 %
Coating VOC content:	14.18 % 419.1 g/l / 3.50 lb/gal
Material VOC content:	158.7 g/l / 1.32 lb/gal
Solids content:	23.6 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.

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- **Possibility of hazardous reactions** Contact with water releases flammable gases.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	2B
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 3 (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT/TDG, ADR, IMDG, IATA** UN1263
- **UN proper shipping name**
- **DOT/TDG** Paint
- **ADR** 1263 Paint
- **IMDG, IATA** PAINT
- **Transport hazard class(es)**
- **DOT/TDG (Transport dangerous goods):**

- **Class** 3 Flammable liquids
- **Label** 3
- **ADR, IMDG, IATA**

- **Class** 3 Flammable liquids
- **Label** 3
- **Packing group**
- **DOT/TDG, ADR, IMDG, IATA** III

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· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Warning: Flammable liquids
· EMS Number:	F-E, S-E
· Stowage Category	A
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· DOT/TDG	
· Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· ADR	
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

1330-20-7	xylene
7429-90-5	aluminium
100-41-4	ethylbenzene
7664-38-2	phosphoric acid

TSCA (Toxic Substances Control Act):

79-20-9 methyl acetate

ACTIVE

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98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene	ACTIVE
9004-36-8	cellulose acetate butyrate	ACTIVE
1330-20-7	xylene	ACTIVE
763-69-9	ethyl 3-ethoxypropionate	ACTIVE
7429-90-5	aluminium	ACTIVE
100-41-4	ethylbenzene	ACTIVE
107-98-2	1-methoxy-2-propanol	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
7664-38-2	phosphoric acid	ACTIVE

• Canadian substance listings:**• Canadian Domestic Substances List (DSL)**

79-20-9	methyl acetate
98-56-6	4-chloro-alpha,alpha,alpha-trifluorotoluene
1330-20-7	xylene
763-69-9	ethyl 3-ethoxypropionate
7429-90-5	aluminium
8052-41-3	Stoddard solvent
100-41-4	ethylbenzene
107-98-2	1-methoxy-2-propanol
108-65-6	2-methoxy-1-methylethyl acetate
7664-38-2	phosphoric acid
70657-70-4	2-methoxypropyl acetate

• Canadian Non-Domestic Substances List (NDSL)

None of the ingredients is listed.

• Canadian Ingredient Disclosure list (limit 0.1%)

100-41-4	ethylbenzene
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• Canadian Ingredient Disclosure list (limit 1%)

79-20-9	methyl acetate
7429-90-5	aluminium
8052-41-3	Stoddard solvent

• GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

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· Hazard pictograms

GHS02 GHS07 GHS08

· Signal word *Danger***· Hazard-determining components of labeling:**

4-chloro-alpha,alpha,alpha-trifluorotoluene
methyl acetate
Stoddard solvent
ethylbenzene

· Hazard statements

Flammable liquid and vapour.
In contact with water releases flammable gases which may ignite spontaneously.
Causes skin irritation.
Causes serious eye irritation.
Suspected of causing cancer.
May cause drowsiness or dizziness.
Causes damage to the central nervous system through prolonged or repeated exposure. May cause damage to the hearing organs through prolonged or repeated exposure.

· Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not allow contact with water.
Handle and store contents under inert gas. Protect from moisture.
Ground and bond container and receiving equipment.
Use explosion-proof [electrical/ventilating/lighting] equipment.
Use non-sparking tools.
Take actions to prevent static discharges.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Get medical advice/attention if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO₂, sand, extinguishing powder to extinguish.

Store in a dry place. Store in a closed container.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

• **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Department issuing SDS:** Product safety department

• **Contact:** N/A

• **Date of the latest revision of the safety data sheet** 07/17/2024 / 1.0

• **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

• *** Data compared to the previous version altered.**