

## GALVA BRILLANT (kg)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form	: Mixture
Product name	: GALVA BRILLANT (kg)
UFI	: E73H-W0UJ-700U-QT92
Product code	: 005815
Type of product	: Paint
Synonyms	: GALVA BRILLANT
Product group	: Trade product

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

##### 1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use
Function or use category	: Paints and coatings

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the Safety Data Sheet

ITW SPRAYTEC

42, rue Gallieni

92600 - ASNIERES-sur-SEINE

FRANCE

Tel. : 01 40 80 32 32 - Fax : 01.40.80.32.30

e-mail : [infods@itwpc.com](mailto:infods@itwpc.com) - Internet : [www.jelt.fr](http://www.jelt.fr)

#### 1.4. Emergency telephone number

Emergency number	: ORFILA (INRS) : 01 45 42 59 59, 24h sur 24, 7j sur 7 French poison and toxicity monitoring centres : <a href="http://www.centres-antipoison.net">http://www.centres-antipoison.net</a>
------------------	---

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) 1272/2008

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
STOT SE 3	H335
STOT RE 2	H373
Aquatic Chronic 2	H411

Full text of hazard classes, H- and EUH-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) 1272/2008

Hazard pictograms :



GHS02

GHS07

GHS08

GHS09

Signal word	: Warning
Hazardous ingredients	: Aromatic hydrocarbons, C8, Trizinc bis(o-phosphate), Fatty acids, tall-oil, compounds with oleylamine
Hazard statements	: H226 - Flammable liquid and vapour. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. H373 - May cause damage to organs (central nerve) through prolonged or repeated exposure (if inhaled). H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements	: P210 - Keep away from hot surfaces, open flames, sparks, heat. No smoking. P233 - Keep container tightly closed.



# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

Version: 2.2

Product code : 005815

## GALVA BRILLANT (kg)

P240 - Ground/bond container and receiving equipment.  
P260 - Do not breathe spray.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear face protection, eye protection, protective clothing, protective gloves.

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII  
Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component	
Aromatic hydrocarbons, C8	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Hydrocarbons, C9, aromatics	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Unsaturated fatty acids (C18), trimers with 9-octadecen-1-amine, (Z) (147900-93-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Fatty acids, tall-oil, compounds with oleylamine (85711-55-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain any substance included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in the Delegated Regulation (EU) 2017/2100 or the Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not established.

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) 1272/2008
Aromatic hydrocarbons, C8 substance with national workplace exposure limit(s) (FR); substance with a Community workplace exposure limit (Note J)	EC-No.: 905-588-0 REACH-no: 01-2119486136-34	30 – 40	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. Not classified Carc. Not classified STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Acute Not classified Aquatic Chronic Not classified
Hydrocarbons, C9, aromatics (Note P)	EC-No.: 918-668-5 REACH-no: 01-2119455851-35	$\geq 10 - < 20$	Flam. Liq. 3, H226 Muta. Not classified Carc. Not classified STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Aluminium powder (stabilised) substance with national workplace exposure limit(s) (FR) (Note T)	CAS-No.: 7429-90-5 EC-No.: 231-072-3;231-072-3b EC Index-No.: 013-002-00-1 REACH-no: 01-2119529243-45	$\geq 1 - < 5$	Flam. Sol. 1, H228 Water-react. Not classified
Trizinc bis(o-phosphate)	CAS-No.: 7779-90-0 EC-No.: 231-944-3 EC Index-No.: 030-011-00-6 REACH-no: 01-2119485044-40	$\geq 1 - < 5$	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Naphtha (petroleum), hydrotreated heavy substance with a Community workplace exposure limit (Note P)	CAS-No.: 64742-48-9 EC-No.: 265-150-3 EC Index-No.: 649-327-00-6 REACH-no: 01-2119486659-16	$\geq 1 - < 5$	Flam. Liq. Not classified Muta. Not classified Carc. Not classified Asp. Tox. 1, H304
Unsaturated fatty acids (C18), trimers with 9-octadecen-1-amine, (Z)	CAS-No.: 147900-93-4 EC-No.: 604-612-4 REACH-no: 01-2119971821-33	$\geq 0,1 - < 1$	Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Chronic 2, H411
Fatty acids, tall-oil, compounds with oleylamine	CAS-No.: 85711-55-3 EC-No.: 288-315-1 REACH-no: 01-2119974148-28	$\geq 0,1 - < 1$	Eye Dam. 1, H318 Skin Sens. 1A, H317 STOT RE 2, H373



# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

Version: 2.2

Product code : 005815

## GALVA BRILLANT (kg)

Note J: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes.

Note P: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply.

Note T : This substance may be marketed in a form which does not have the physical hazards as indicated by the classification in the entry in Part 3. If the results of the relevant method or methods in accordance with Part 2 of Annex I of this Regulation show that the specific form of substance marketed does not exhibit this physical property or these physical hazards, the substance shall be classified in accordance with the result or results of this test or these tests. Relevant information, including reference to the relevant test method(s) shall be included in the safety data sheet.

Full text of H- and EUH-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow affected person to breathe fresh air. Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : If skin irritation occurs: Get medical advice/attention. Wash with soapy water. If skin irritation or rash occurs: Get medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. If you feel unwell, seek medical advice.

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

- Symptoms/effects : Causes damage to organs (respiratory system/digestive system) (if inhaled).
- Symptoms/effects after inhalation : May cause respiratory irritation.
- Symptoms/effects after skin contact : May cause an allergic skin reaction. May cause moderate irritation. Causes skin irritation.
- Symptoms/effects after eye contact : Causes serious eye irritation.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : Sand. Dry powder. Alcohol resistant foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Fire hazard : Flammable liquid and vapour.
- Explosion hazard : May form flammable/explosive vapour-air mixture.
- Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

#### 5.3. Advice for firefighters

- Precautionary measures fire : Evacuate area.
- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus. Complete protective clothing. Do not attempt to take action without suitable protective equipment.

### SECTION 6: Accidental release measures

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

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Ensure adequate ventilation. Absorb spillage to prevent material damage.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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

- For containment : Collect spillage.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
- Other information : Dispose of materials or solid residues at an authorized site.



# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

Version: 2.2

Product code : 005815

## GALVA BRILLANT (kg)

### 6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed

Precautions for safe handling

- : Handle empty containers with care because residual vapours are flammable.
- : Take precautionary measures against static discharge. Ensure good ventilation of the work station. Do not breathe vapours, mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use personal protective equipment as required. Close container tightly after use. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- : < 30 °C
- : Do not eat, drink or smoke when using this product. Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

Handling temperature

Hygiene measures

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

Technical measures

Storage conditions

Incompatible materials

Storage temperature

- : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Provide local exhaust or general room ventilation.
- : Keep container tightly closed.
- : Heat sources.
- : < 40 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Aromatic hydrocarbons, C8

France	Local name	Xylène: mélange d'isomères
France	VME (OEL TWA)	221 mg/m <sup>3</sup>
France	VME (OEL TWA) [ppm]	50 ppm
France	VLE (OEL C/STEL)	442 mg/m <sup>3</sup>
France	VLE (OEL C/STEL) [ppm]	100 ppm
France	Remark	Valeurs réglementaires contraignantes; risque de pénétration percutanée

#### Aluminium powder (stabilised) (7429-90-5)

France	Local name	Aluminium
France	VME (OEL TWA)	10 mg/m <sup>3</sup> (métal) 5 mg/m <sup>3</sup> (pulvérulent)
France	Remark	Valeurs recommandées/admises
France	Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)

#### Naphtha (petroleum), hydrotreated heavy (64742-48-9)

### 8.1.1 National occupational exposure and biological limit values

#### Aromatic hydrocarbons, C8

##### EU - Indicative Occupational Exposure Limit (IOEL)

Local name	Xylene, mixed isomers, pure
IOEL TWA	221 mg/m <sup>3</sup>
IOEL STEL	442 mg/m <sup>3</sup>
IOEL STEL [ppm]	100 ppm
Remark	Skin

##### France - Occupational Exposure Limits

Local name	Xylène: mélange d'isomères
VME (OEL TWA)	221 mg/m <sup>3</sup>
VME (OEL TWA) [ppm]	50 ppm
VLE (OEL C/STEL)	442 mg/m <sup>3</sup>
VLE (OEL C/STEL) [ppm]	100 ppm
Remark	Valeurs réglementaires contraignantes; risque de pénétration percutanée

#### Aluminium powder (stabilised) (7429-90-5)

##### France - Occupational Exposure Limits

Local name	Aluminium
VME (OEL TWA)	10 mg/m <sup>3</sup> (métal) 5 mg/m <sup>3</sup> (pulvérulent)
Remark	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)

#### Naphtha (petroleum), hydrotreated heavy (64742-48-9)

##### EU - Indicative Occupational Exposure Limit (IOEL)

Local name	White spirit Type 3
------------	---------------------

### GALVA BRILLANT (kg)

#### Naphtha (petroleum), hydrotreated heavy (64742-48-9)

IOEL TWA	116 mg/m <sup>3</sup>
IOEL STEL	290 mg/m <sup>3</sup>
IOEL STEL [ppm]	50 ppm
Remark	Skin. (Year of adoption 2007)
Regulatory reference	SCOEL Recommendations

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

##### Aromatic hydrocarbons, C8

###### DNEL/DMEL (Workers)

Acute - systemic effects, inhalation	442 mg/m <sup>3</sup> ECHA
Acute - local effects, inhalation	442 mg/m <sup>3</sup> ECHA
Long-term - systemic effects, dermal	212 mg/kg bodyweight/day ECHA
Long-term - systemic effects, inhalation	221 mg/m <sup>3</sup> ECHA
Long-term - local effects, inhalation	221 mg/m <sup>3</sup> ECHA

###### DNEL/DMEL (General population)

Acute - systemic effects, inhalation	260 mg/m <sup>3</sup> ECHA
Acute - local effects, inhalation	260 mg/m <sup>3</sup> ECHA
Long-term - systemic effects, oral	12,5 mg/kg bodyweight/day ECHA
Long-term - systemic effects, inhalation	65,3 mg/m <sup>3</sup> ECHA
Long-term - systemic effects, dermal	125 mg/kg bodyweight/day ECHA
Long-term - local effects, inhalation	65,3 mg/m <sup>3</sup> ECHA

###### PNEC (Water)

PNEC (freshwater)	0,327 mg/l ECHA
PNEC (marine water)	0,327 mg/l ECHA
PNEC (intermittent, freshwater)	0,327 mg/l ECHA

###### PNEC (Sediment)

PNEC sediment (freshwater)	12,46 mg/kg dwt ECHA
PNEC sediment (marine water)	12,46 mg/kg dwt ECHA

###### PNEC (Soil)

PNEC soil	2,31 mg/kg dwt ECHA
-----------	---------------------

###### PNEC (STP)

PNEC (sewage treatment plant)	6,58 mg/l ECHA
-------------------------------	----------------

#### Trizinc bis(o-phosphate) (7779-90-0)

##### DNEL/DMEL (Workers)

Long-term - systemic effects, inhalation	5 mg/m <sup>3</sup>
--	---------------------

#### Fatty acids, tall-oil, compounds with oleylamine (85711-55-3)

##### DNEL/DMEL (Workers)

Long-term - systemic effects, dermal	0,024 mg/kg bodyweight/day (ECHA)
--------------------------------------	-----------------------------------

##### DNEL/DMEL (General population)

Long-term - systemic effects, oral	0,012 mg/kg bodyweight/day (ECHA)
Long-term - systemic effects, dermal	0,012 mg/kg bodyweight/day (ECHA)

##### PNEC (Oral)

PNEC oral (secondary poisoning)	0,47 mg/kg (ECHA)
---------------------------------	-------------------

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Avoid all unnecessary exposure. Restrict access to authorized staff during the use and the cleaning processes.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

##### Personal protective equipment symbol(s):





# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

Version: 2.2

Product code : 005815

## GALVA BRILLANT (kg)

### 8.2.2.1. Eye and face protection

**Eye protection:**

Chemical goggles. conform to EN 166 standard.

### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear protective clothing suitable for the specific operational conditions. conform to EN 943, EN 14605 and EN ISO 13982 standards.

**Hand protection:**

Wear gloves chemically resistant to the substances listed in Section 3 of this SDS. We recommend the following materials. If needed, request our "Gloves safe use instructions".

Type	Material	Permeation	Thickness (mm)	Standard
Gloves for extended use or reusable	Fluorinated elastomer (eg VITON) gloves, Multilayer laminate (e.g Silvershield 4H) gloves	5 (> 240 minutes), 6 (> 480 minutes)	According to the operational conditions	EN ISO 374

**Other skin protection****Protective clothing:**

Wear protective clothing suitable for the specific operational conditions. conform to EN 943, EN 14605 and EN ISO 13982 standards.

### 8.2.2.3. Respiratory protection

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. Mask conform to the EN136, EN140 and EN14387 standards, with cartridge or filter of type . A - High-boiling point, &gt;65°C, organic compounds (brown)

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**

Avoid release to the environment.

**Other information:**

Do not eat, drink or smoke when using this product.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Not available
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Explosive limits	: Not available
Lower explosive limit (LEL)	: Not available
Upper explosive limit (UEL)	: Not available
Flash point	: > 23 °C
Flash point	: Between 23°C and 60°C (estimated)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure at 20°C	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1,009
Vapour density	: Not available

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

VOC content estimate : 552 g/l



# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

Version: 2.2

Product code : 005815

## GALVA BRILLANT (kg)

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions of use.

#### 10.2. Chemical stability

May form flammable/explosive vapour-air mixture. Stable under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

None under normal use.

#### 10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks. None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

None to our knowledge.

#### 10.6. Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

#### Aromatic hydrocarbons, C8

IARC group	3 - Not classifiable
------------	----------------------

Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.

#### Aromatic hydrocarbons, C8

STOT-single exposure	May cause respiratory irritation.
----------------------	-----------------------------------

#### Hydrocarbons, C9, aromatics

STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
----------------------	--

STOT-repeated exposure	: May cause damage to organs (central nerve) through prolonged or repeated exposure (if inhaled).
------------------------	---

#### Aromatic hydrocarbons, C8

NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight/day
NOAEC (inhalation, rat, vapour, 90 days)	4,35 mg/l

#### Unsaturated fatty acids (C18), trimers with 9-octadecen-1-amine, (Z) (147900-93-4)

NOAEL (oral, rat, 90 days)	7,1 mg/kg bodyweight/day
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

#### Fatty acids, tall-oil, compounds with oleylamine (85711-55-3)

LOAEL (oral, rat, 90 days)	7,1 mg/kg bodyweight/day OCDE 422
STOT-repeated exposure	May cause damage to organs (digestive system) through prolonged or repeated exposure (if swallowed).

Aspiration hazard	: Not classified
-------------------	------------------

#### 11.2. Information on other hazards

No additional information available

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified



# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

Version: 2.2

Product code : 005815

## GALVA BRILLANT (kg)

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

#### GALVA BRILLANT (kg)

Persistence and degradability : May cause long-term adverse effects in the environment.

#### Aromatic hydrocarbons, C8

Persistence and degradability : Readily biodegradable.

Biodegradation : 87,8 % 28d

#### Hydrocarbons, C9, aromatics

Persistence and degradability : Readily biodegradable. May cause long-term adverse effects in the environment.

Biodegradation : 78 % 28d

#### Unsaturated fatty acids (C18), trimers with 9-octadecen-1-amine, (Z) (147900-93-4)

Persistence and degradability : Poorly biodegradable. May cause long-term adverse effects in the environment.

#### Fatty acids, tall-oil, compounds with oleylamine (85711-55-3)

Persistence and degradability : Readily biodegradable.

Biodegradation : 87 % 28d

### 12.3. Bioaccumulative potential

#### Aromatic hydrocarbons, C8

Bioconcentration factor (BCF REACH) : 25,9

Partition coefficient n-octanol/water (Log Pow) : 3,16

Partition coefficient n-octanol/water (Log Kow) : 3,16

Bioaccumulative potential : Considered not bioaccumulable.

#### Hydrocarbons, C9, aromatics

Bioaccumulative potential : Not established.

#### Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Partition coefficient n-octanol/water (Log Pow) : 5 – 6,7

#### Unsaturated fatty acids (C18), trimers with 9-octadecen-1-amine, (Z) (147900-93-4)

Bioaccumulative potential : Not established.

#### Fatty acids, tall-oil, compounds with oleylamine (85711-55-3)

Bioaccumulative potential : Not established.

### 12.4. Mobility in soil

#### GALVA BRILLANT (kg)

Ecology - soil : Not established.

#### Aromatic hydrocarbons, C8

Organic Carbon Normalized Adsorption Coefficient (Log Koc) : 2,73

Ecology - soil : Not established.

#### Hydrocarbons, C9, aromatics

Ecology - soil : Not established.

#### Unsaturated fatty acids (C18), trimers with 9-octadecen-1-amine, (Z) (147900-93-4)

Ecology - soil : Not established.

#### Fatty acids, tall-oil, compounds with oleylamine (85711-55-3)

Ecology - soil : Not established.

### 12.5. Results of PBT and vPvB assessment

#### GALVA BRILLANT (kg)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### Component

Aromatic hydrocarbons, C8 : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Hydrocarbons, C9, aromatics : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Unsaturated fatty acids (C18), trimers with 9-octadecen-1-amine, (Z) (147900-93-4) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Fatty acids, tall-oil, compounds with oleylamine (85711-55-3) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.



# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

## GALVA BRILLANT (kg)

Version: 2.2

Product code : 005815

Additional information

: Handle empty containers with care because residual vapours are flammable. Uncleaned containers must be considered as hazardous products, in the same way as the product contained therein.  
: Avoid release to the environment.  
: 08 01 11\* - waste paint and varnish containing organic solvents or other dangerous substances

Ecology - waste materials  
European List of Waste (LoW) code

### SECTION 14: Transport information

No supplementary information available

#### 14.1. UN number or ID number

UN-No : 1263

#### 14.2. UN proper shipping name

Proper Shipping Name : Paint

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

Class (ADR) : 3 - Flammable liquids  
Danger labels : 3



#### 14.4. Packing group

Packing group : III

#### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes



#### 14.6. Special precautions for user

##### 14.6.1. Overland transport

Classification code (ADR) : F1  
Special provisions (ADR) : 163, 640E, 650, 367  
Limited quantities (ADR) : 5L  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P001, IBC03, LP01, R001  
Special packing provisions (ADR) : PP1  
Mixed packing provisions (ADR) : MP19  
Portable tank and bulk container instructions (ADR) : T2  
Portable tank and bulk container special provisions (ADR) : TP1, TP29  
Tank code (ADR) : LGBF  
Vehicle for tank carriage : FL  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V12  
Special provisions for carriage - Operation (ADR) : S2  
Hazard identification number (Kemler No.) : 30

Orange plates



Tunnel restriction code (ADR) : D/E  
EAC code : \*3YE

##### 14.6.2. Transport by sea

Special provisions (IMDG) : 163, 223, 955, 367  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T2  
Tank special provisions (IMDG) : TP1, TP29  
EmS-No. (Fire) : F-E  
EmS-No. (Spillage) : S-E  
Stowage category (IMDG) : A



# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

Version: 2.2

Product code : 005815

## GALVA BRILLANT (kg)

### 14.6.3. Air transport

CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
PCA packing instructions (IATA)	: 355
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA max net quantity (IATA)	: 60L
PCA Excepted quantities (IATA)	: E1
Special provisions (IATA)	: A3, A72, A192
ERG code (IATA)	: 3L

### 14.6.4. Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 163, 367, 640E, 650
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0

### 14.7. Maritime transport in bulk according to IMO instruments

Not established.

## SECTION 15 : Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no substance with Annex XVII restrictions

Contains no substance on the REACH candidate list

Organic solvent

Contains no REACH Annex XIV substance

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### DIRECTIVE 2004/42/EC on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products

VOC content estimate : 552 g/l

European VOC content limit value (Directive: Subcategory A/i(SB) : One-pack performance coatings. In its ready to use condition : maximum 2004/42/CE - Annex II-Part A) 500g/l.

#### 15.1.2. National regulations

##### France

Code	Occupational diseases chart
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamide; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

N° ICPE	Classified Installations for the Protection of the Environment (ICPE) Désignation de la rubrique	Code Régime	Rayon
4511	4511 : Dangereux pour l'environnement aquatique de catégorie chronique 2 (H411)		

##### Germany

Water hazard class (WGK) : Not classified according to Regulation Governing Systems for Handling Substances Hazardous to Waters (AwSV)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Switzerland

Storage class (LK) : LK 3 - Flammable liquids

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information



# Safety Data Sheet

Issue date: 24/07/2019

Revision date: 15/04/2022

Version: 2.2

Product code : 005815

## GALVA BRILLANT (kg)

Data sources

: REGULATION (EC) 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP), amending REGULATION (EC) 1907/2006 (REACH).

### Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Acute Not classified	Hazardous to the aquatic environment – Acute Hazard Not classified
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic Not classified	Hazardous to the aquatic environment – Chronic Hazard Not classified
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. Not classified	Carcinogenicity Not classified
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Flam. Liq. Not classified	Flammable liquids Not classified
Flam. Sol. 1	Flammable solids, Category 1
H226	Flammable liquid and vapour.
H228	Flammable solid.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Muta. Not classified	Germ cell mutagenicity Not classified
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
Water-react. Not classified	Substances and mixtures which in contact with water emit flammable gases Not classified

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.