

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

### 1.1 Product identifier

**Product Name:** Stay Brite®

**Product Size:** ALL

### Other means of identification

**SDS number:** 200000007460

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

**Identified uses:** Metal Soldering

**Uses advised against:** Not known. Read this SDS before using this product.

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Importer/Supplier/Distributor Information

**Company Name:** The Harris Products Group

**Address:** 4501 Quality Place  
Mason, OH 45040-1971  
USA

**Telephone:** +1 (513) 754-2000

**Contact Person:** Safety Data Sheet Questions: [custservmason@jwharris.com](mailto:custservmason@jwharris.com)

**Company Name:** Harris Euro, S.L.

**Address:** C/ Arq. Ricard Giralt s/n Nave 6  
17600 Figueres Girona  
Spain

**Telephone:** +34 972 67 88 26

**Contact Person:** Safety Data Sheet Questions: [harriseuro@harriseuro.com](mailto:harriseuro@harriseuro.com)

### 1.4 Emergency telephone number:

USA/Canada/Mexico +1 (888) 609-1762

Americas/Europe +1 (216) 383-8962

Asia Pacific +1 (216) 383-8966

Middle East/Africa +1 (216) 383-8969

**3E Company Access Code:** 333988

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

**Classification according to Regulation (EC) No 1272/2008 as amended.**

Not classified as hazardous according to applicable GHS hazard classification criteria.

## Supplemental label information

EUH210: Safety data sheet available on request.

### 2.3 Other hazards

Overexposure to fumes and gases from the solder and/or flux material can be hazardous. Read and understand the manufacturer's instructions, Safety Data Sheets and the precautionary labels before using this product.

### Substance(s) formed under the conditions of use:

Fumes produced from use of this product may contain the following constituent(s) and/or their complex metallic oxides as well as solid particles or other constituents from the solder, brazing consumable, flux material or base metal, or base metal coating not listed below.

Chemical name	CAS-No.
Carbon dioxide	124-38-9
Carbon monoxide	630-08-0
Nitrogen dioxide	10102-44-0
Ozone	10028-15-6

## SECTION 3: Composition/information on ingredients

### Reportable Hazardous Ingredients

#### 3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	Classification	Notes	REACH Registration No.
Tin	50 - <100%	7440-31-5	231-141-8	Not classified	#	01-2119486474-28;
Silver	1 - <5%	7440-22-4	231-131-3	Aquatic Acute: 1: H400 Aquatic Chronic: 1: H410	#	01-2119555669-21;

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

### Composition Comments:

The term "Hazardous Ingredients" should be interpreted as a term defined in Hazard Communication standards and does not necessarily imply the existence of a welding hazard. The product may contain additional non-hazardous ingredients or may form additional compounds under the condition of use. Refer to Sections 2 and 8 for more information.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation:

Move to fresh air if breathing is difficult. If breathing has stopped, perform artificial respiration and obtain medical assistance at once.

<b>Skin Contact:</b>	Remove contaminated clothing and wash the skin thoroughly with soap and water. For reddened or blistered skin, or thermal burns, obtain medical assistance at once.
<b>Eye contact:</b>	Do not rub eye. Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.
<b>Ingestion:</b>	Avoid hand, clothing, food, and drink contact with fluxes, metal fume or powder which can cause ingestion of particulate during hand to mouth activities such as drinking, eating, smoking, etc. If ingested, do not induce vomiting. Contact a poison control center. Unless the poison control center advises otherwise, wash out mouth thoroughly with water. If symptoms develop, seek medical attention at once.

**4.2 Most important symptoms and effects, both acute and delayed:**

Short-term (acute) overexposure to fumes and gases from welding and allied processes may result in discomfort such as metal fume fever, dizziness, nausea, or dryness or irritation of nose, throat, or eyes. May aggravate pre-existing respiratory problems (e.g. asthma, emphysema). Long-term (chronic) overexposure to fumes and gases from welding and allied processes can lead to siderosis (iron deposits in lung), central nervous system effects, bronchitis and other pulmonary effects. Refer to Section 11 for more information.

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

**Hazards:** The hazards associated with welding and its allied processes such as soldering and brazing are complex and may include physical and health hazards such as but not limited to electric shock, physical strains, radiation burns (eye flash), thermal burns due to hot metal or spatter and potential health effects of overexposure to fumes, gases or dusts potentially generated during the use of this product. Refer to Section 11 for more information.

**Treatment:** Treat symptomatically.

## SECTION 5: Firefighting measures

**General Fire Hazards:** As shipped, this product is nonflammable. However, welding arc and sparks as well as open flames and hot surfaces associated with brazing and soldering can ignite combustible and flammable materials. Read and understand American National Standard Z49.1, "Safety in Welding, Cutting and Allied Processes" and National Fire Protection Association NFPA 51B, "Standard for Fire Prevention during Welding, Cutting and Other Hot Work" before using this product.

**5.1 Extinguishing media**  
**Suitable extinguishing media:**

Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:**

Do not use water jet as an extinguisher, as this will spread the fire.

**5.2 Special hazards arising from the substance or mixture:**

During fire, gases hazardous to health may be formed.

**5.3 Advice for firefighters  
Special fire fighting procedures:**

Use standard firefighting procedures and consider the hazards of other involved materials.

**Special protective equipment for fire-fighters:**

Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:**

If airborne dust and/or fume is present, use adequate engineering controls and, if needed, personal protection to prevent overexposure. Refer to recommendations in Section 8.

**6.2 Environmental Precautions:**

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

**6.3 Methods and material for containment and cleaning up:**

Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk. Clean up spills immediately, observing precautions in the personal protective equipment in Section 8. Avoid generating dust. Prevent product from entering any drains, sewers or water sources. Refer to Section 13 for proper disposal.

**6.4 Reference to other sections:**

For further specification, refer to section 8 of the SDS.

## SECTION 7: Handling and storage:

**7.1 Precautions for safe handling:**

Prevent abrading consumable materials or creating dust. Provide appropriate exhaust ventilation at places where fume or dust is formed. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Read and understand the manufacturer's instruction and the precautionary label on the product. See American National Standard Z49.1, "Safety In Welding, Cutting and Allied Processes" published by the American Welding Society, <http://pubs.aws.org> and OSHA Publication 2206 (29CFR1910), U.S. Government Printing Office, [www.gpo.gov](http://www.gpo.gov).

**7.2 Conditions for safe storage, including any incompatibilities:**

Store in closed original container in a dry place. Store in accordance with local/regional/national regulations. Store away from incompatible materials.

## SECTION 8: Exposure controls/personal protection

**8.1 Control Parameters**

MAC, PEL, TLV and other exposure limit values may vary per element and form - as well as per country. All country-specific values are not listed. If no occupational exposure limit values are listed below, your local authority may still have applicable values. Refer to your local or national exposure limit values.

## Control Parameters

### Occupational Exposure Limits: Great Britain

Chemical Identity	Type	Exposure Limit Values	Source
Tin - as Sn	TWA	2 mg/m <sup>3</sup>	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009)
Silver	TWA	0,1 mg/m <sup>3</sup>	UK. EH40 Workplace Exposure Limits (WELs) (2007)
	TWA	0,1 mg/m <sup>3</sup>	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (12 2009)

### Biological Limit Values: Great Britain

None of the components have assigned exposure limits.

### Biological Limit Values: ACGIH

None of the components have assigned exposure limits.

### Additional exposure limits under the conditions of use: Great Britain

Chemical Identity	Type	Exposure Limit Values	Source
Carbon dioxide	TWA	5.000 ppm	UK. EH40 Workplace Exposure Limits (WELs)
	STEL	15.000 ppm	UK. EH40 Workplace Exposure Limits (WELs)
Carbon monoxide	TWA	30 ppm	UK. EH40 Workplace Exposure Limits (WELs)
	STEL	200 ppm	UK. EH40 Workplace Exposure Limits (WELs)
	STEL	100 ppm	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (Indicative)
	TWA	20 ppm	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (Indicative)
Nitrogen dioxide	TWA	0,5 ppm	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (Indicative)
	STEL	1 ppm	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU (Indicative)
Ozone	STEL	0,2 ppm	UK. EH40 Workplace Exposure Limits (WELs)

### Additional exposure limits under the conditions of use: US

Chemical Identity	Type	Exposure Limit Values	Source
Carbon dioxide	TWA	5.000 ppm	US. ACGIH Threshold Limit Values (12 2010)
	STEL	30.000 ppm	US. ACGIH Threshold Limit Values (12 2010)
	PEL	5.000 ppm 9.000 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Carbon monoxide	TWA	25 ppm	US. ACGIH Threshold Limit Values (12 2010)
	PEL	50 ppm 55 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
Nitrogen dioxide	TWA	0,2 ppm	US. ACGIH Threshold Limit Values (02 2012)
	Ceiling	5 ppm 9 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)

Ozone	PEL	0,1 ppm	0,2 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	0,05 ppm		US. ACGIH Threshold Limit Values (03 2014)
	TWA	0,20 ppm		US. ACGIH Threshold Limit Values (03 2014)
	TWA	0,10 ppm		US. ACGIH Threshold Limit Values (03 2014)
	TWA	0,08 ppm		US. ACGIH Threshold Limit Values (03 2014)

## 8.2 Exposure controls

### Appropriate Engineering Controls

**Ventilation:** Use enough ventilation and local exhaust at the arc, flame or heat source to keep the fumes and gases from the worker's breathing zone and the general area. Train the operator to keep their head out of the fumes. **Keep exposure as low as possible.**

### Individual protection measures, such as personal protective equipment

#### General information:

**Exposure Guidelines:** To reduce the potential for overexposure, use controls such as adequate ventilation and personal protective equipment (PPE). Overexposure refers to exceeding applicable local limits, the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs) or the Occupational Safety and Health Administration's (OSHA) Permissible Exposure Limits (PELs). Workplace exposure levels should be established by competent industrial hygiene assessments. Unless exposure levels are confirmed to be below the applicable local limit, TLV or PEL, whichever is lower, respirator use is required. Absent these controls, overexposure to one or more compound constituents, including those in the fume or airborne particles, may occur resulting in potential health hazards. According to the ACGIH, TLVs and Biological Exposure Indices (BEIs) "represent conditions under which ACGIH believes that nearly all workers may be repeatedly exposed without adverse health effects." The ACGIH further states that the TLV-TWA should be used as a guide in the control of health hazards and should not be used to indicate a fine line between safe and dangerous exposures. See Section 10 for information on constituents which have some potential to present health hazards. Welding consumables and materials being joined may contain chromium as an unintended trace element. Materials that contain chromium may produce some amount of hexavalent chromium (CrVI) and other chromium compounds as a byproduct in the fume. In 2018, the American Conference of Governmental Industrial Hygienists (ACGIH) lowered the Threshold Limit Value (TLV) for hexavalent chromium from 50 micrograms per cubic meter of air (50 µg/m<sup>3</sup>) to 0.2 µg/m<sup>3</sup>. At these new limits, CrVI exposures at or above the TLV may be possible in cases where adequate ventilation is not provided. CrVI compounds are on the IARC and NTP lists as posing a lung cancer and sinus cancer risk. Workplace conditions are unique and welding fume exposures levels vary. Workplace exposure assessments must be conducted by a qualified professional, such as an industrial hygienist, to determine if exposures are below applicable limits and to make recommendations when necessary for preventing overexposures.

#### Eye/face protection:

Wear helmet, face shield or eye protection with filter lens shade number 2 for torch soldering and 3-4 for torch brazing, and follow the recommendations as specified in ANSI Z49.1, Section 4, based on your process details. Shield others by providing appropriate screens and eye protection.

#### Skin protection

<b>Hand Protection:</b>	Wear protective gloves. Suitable gloves can be recommended by the glove supplier.
<b>Other:</b>	<b>Protective Clothing:</b> Wear hand, head, and body protection which help to prevent injury from radiation, open flames, hot surfaces, sparks and electrical shock. See Z49.1. At a minimum, this includes welder's gloves and a protective face shield when welding, and may include arm protectors, aprons, hats, shoulder protection, as well as dark substantial clothing when welding, brazing and soldering. Wear dry gloves free of holes or split seams. Train the operator not to permit electrically live parts or electrodes from contacting the skin . . . or clothing or gloves if they are wet. Insulate yourself from the work piece and ground using dry plywood, rubber mats or other dry insulation.
<b>Respiratory Protection:</b>	Keep your head out of fumes. Use enough ventilation and local exhaust to keep fumes and gases from your breathing zone and the general area. An approved respirator should be used unless exposure assessments are below applicable exposure limits.
<b>Hygiene measures:</b>	Do not eat, drink or smoke when using the product. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Determine the composition and quantity of fumes and gases to which workers are exposed by taking an air sample from inside the welder's helmet if worn or in the worker's breathing zone. Improve ventilation if exposures are not below limits. See ANSI/AWS F1.1, F1.2, F1.3 and F1.5, available from the American Welding Society, <a href="http://www.aws.org">www.aws.org</a> .

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Soldering consumable.
<b>Physical state:</b>	Solid
<b>Form:</b>	Solid
<b>Color:</b>	No data available.
<b>Odor:</b>	No data available.
<b>Odor Threshold:</b>	No data available.
<b>pH:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flash Point:</b>	No data available.
<b>Evaporation Rate:</b>	No data available.
<b>Flammability (solid, gas):</b>	No data available.
<b>Flammability Limit - Upper (%):</b>	No data available.
<b>Flammability Limit - Lower (%):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Density:</b>	No data available.

<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	No data available.
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Autoignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>SADT:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Explosive properties:</b>	No data available.
<b>Oxidizing properties:</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination.
<b>10.5 Incompatible Materials:</b>	Strong acids. Strong oxidizing substances. Strong bases.



#### **10.6 Hazardous Decomposition Products:**

Fumes and gases from welding and its allied processes such as brazing and soldering cannot be classified simply. The composition and quantity of both are dependent upon the metal to which the joining or hot work is applied, the process, procedure - and where applicable - the electrode or consumable used. Other conditions which also influence the composition and quantity of the fumes and gases to which workers may be exposed include: coatings on the metal being welded or worked (such as paint, plating, or galvanizing), the number of operators and the volume of the work area, the quality and amount of ventilation, the position of the operator's head with respect to the fume plume, as well as the presence of contaminants in the atmosphere (such as chlorinated hydrocarbon vapors from cleaning and degreasing activities.)

In cases where an electrode or other applied material is consumed, the fume and gas decomposition products generated are different in percent and form from the ingredients listed in Section 3. Decomposition products of normal operation include those originating from the volatilization, reaction, or oxidation of the materials shown in Section 3, plus those from the base metal and coating, etc., as noted above. Reasonably expected fume constituents produced during arc welding and brazing include the oxides of iron, manganese and other metals present in the welding consumable or base metal. Hexavalent chromium compounds may be in the welding or brazing fume of consumables or base metals which contain chromium. Gaseous and particulate fluoride may be in the fume of consumables or flux materials which contain fluoride. Gaseous reaction products may include carbon monoxide and carbon dioxide. Ozone and nitrogen oxides may be formed by the radiation from the arc associated with welding.

### **SECTION 11: Toxicological information**

#### **General information:**

The International Agency for Research on Cancer (IARC) has determined welding fumes and ultraviolet radiation from welding are carcinogenic to humans (Group 1). According to IARC, welding fumes cause cancer of the lung and positive associations have been observed with cancer of the kidney. Also according to IARC, ultraviolet radiation from welding causes ocular melanoma. IARC identifies gouging, brazing, carbon arc or plasma arc cutting, and soldering as processes closely related to welding. Read and understand the manufacturer's instructions, Safety Data Sheets and the precautionary labels before using this product.

#### **Information on likely routes of exposure**

- Inhalation:** Inhalation is the primary route of exposure. In high concentrations, dust, vapors, fumes or mists may irritate nose, throat and mucus membranes.
- Skin Contact:** Moderately irritating to skin with prolonged exposure.
- Eye contact:** HEAT RAYS (INFRARED RADIATION) from flame or hot metal can injure eyes.
- Ingestion:** Avoid ingestion - wear gloves and other appropriate personal protection - wash hands thoroughly following use or handling.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation:** Short-term (acute) overexposure to fumes and gases from brazing and soldering may result in discomfort such as metal fume fever, dizziness, nausea, or dryness or irritation of nose, throat, or eyes. May aggravate pre-existing respiratory problems (e.g. asthma, emphysema). Long-term (chronic) overexposure to fumes and gases from brazing and soldering can lead to siderosis (iron deposits in lung), central nervous system effects, bronchitis and other pulmonary effects. Products which contain lead or cadmium have additional specific health hazards - refer to Sections 2, 8 and 11 of this SDS.

#### 11.1 Information on toxicological effects

##### Acute toxicity (list all possible routes of exposure)

###### Oral

**Product:** Not classified for acute toxicity based on available data.

###### Dermal

**Product:** Not classified for acute toxicity based on available data.

###### Inhalation

**Product:** Not classified for acute toxicity based on available data.

##### Repeated dose toxicity

**Product:** No data available.

##### Skin Corrosion/Irritation

**Product:** Not classified

##### Serious Eye Damage/Eye Irritation

**Product:** Not classified

##### Respiratory or Skin Sensitization

**Product:** Respiratory Sensitization: Not classified  
Skin Sensitization: Not classified

##### Carcinogenicity

**Product:** Not classified

##### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

##### Germ Cell Mutagenicity

###### In vitro

**Product:** Not classified

###### In vivo

**Product:** Not classified

##### Reproductive toxicity

**Product:** Not classified

##### Specific Target Organ Toxicity - Single Exposure

**Product:** Not classified

### Specific Target Organ Toxicity - Repeated Exposure

**Product:** Not classified

### Aspiration Hazard

**Product:** Not applicable

**Symptoms related to the physical, chemical and toxicological characteristics under the condition of use**

### Additional toxicological Information under the conditions of use:

#### Acute toxicity

##### Inhalation

##### Specified substance(s):

Carbon dioxide	LC Lo (Human, 5 min): 90000 ppm
Carbon monoxide	LC 50 (Rat, 4 h): 1300 ppm
Nitrogen dioxide	LC 50 (Rat, 4 h): 88 ppm
Ozone	LC Lo (Human, 30 min): 50 ppm

##### Other effects:

##### Specified substance(s):

Carbon dioxide	Asphyxia
Carbon monoxide	Carboxyhemoglobinemia
Nitrogen dioxide	Lower respiratory tract irritation

## SECTION 12: Ecological information

### 12.1 Ecotoxicity

#### Acute hazards to the aquatic environment:

##### Fish

**Product:** Not classified

##### Specified substance(s):

Silver	LC 50 (Rainbow trout, donaldson trout ( <i>Oncorhynchus mykiss</i> ), 96 h): 0,013 mg/l
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##### Aquatic Invertebrates

**Product:** Not classified

##### Specified substance(s):

Silver	LC 50 (Water flea ( <i>Daphnia pulex</i> ), 48 h): 0,014 mg/l
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#### Chronic hazards to the aquatic environment:

##### Fish

**Product:** Not classified

##### Aquatic Invertebrates

**Product:** Not classified

##### Toxicity to Aquatic Plants

**Product:** No data available.

### 12.2 Persistence and Degradability

#### Biodegradation

**Product:** No data available.

### 12.3 Bioaccumulative potential Bioconcentration Factor (BCF)

**Product:** No data available.

**12.4 Mobility in soil:** No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

**12.6 Other adverse effects:** No data available.

**12.7 Additional Information:** No data available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

**General information:** The generation of waste should be avoided or minimized whenever possible. When practical, recycle in an environmentally acceptable, regulatory compliant manner. Dispose of non-recyclable products in accordance with all applicable Federal, State, Provincial, and Local requirements.

**Disposal instructions:** Dispose of this material and its container to hazardous or special waste collection point.

**Contaminated Packaging:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

## SECTION 14: Transport information

### ADR

14.1 UN Number:  
14.2 UN Proper Shipping Name: NOT DG REGULATED  
14.3 Transport Hazard Class(es)  
Class: NR  
Label(s): –  
Hazard No. (ADR): –  
Tunnel restriction code:  
14.4 Packing Group: –  
Limited quantity  
Excepted quantity  
14.5 Marine Pollutant No

### ADN

14.1 UN Number:  
14.2 UN Proper Shipping Name: NOT DG REGULATED  
14.3 Transport Hazard Class(es)  
Class: NR  
Label(s): –

Hazard No. (ADR):	–
14.4 Packing Group:	–
Limited quantity	
Excepted quantity	
14.5 Marine Pollutant	No

#### RID

14.1 UN Number:	
14.2 UN Proper Shipping Name	NOT DG REGULATED
14.3 Transport Hazard Class(es)	
Class:	NR
Label(s):	–
14.4 Packing Group:	–
14.5 Marine Pollutant	No

#### IMDG

14.1 UN Number:	
14.2 UN Proper Shipping Name:	NOT DG REGULATED
14.3 Transport Hazard Class(es)	
Class:	NR
Label(s):	–
EmS No.:	
14.4 Packing Group:	–
Limited quantity	
Excepted quantity	
14.5 Marine Pollutant	No

#### IATA

14.1 UN Number:	
14.2 Proper Shipping Name:	NOT DG REGULATED
14.3 Transport Hazard Class(es)	
Class:	NR
Label(s):	–
14.4 Packing Group:	–
Cargo aircraft only :	
Passenger and cargo aircraft :	
Limited quantity:	
Excepted quantity	
14.5 Marine Pollutant	No
Cargo aircraft only:	Allowed.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable

### SECTION 15: Regulatory information

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

##### EU Regulations

**Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer:** None

**Regulation (EC) No. 850/2004 on persistent organic pollutants:** None

**Regulation (EC) No. 689/2008 Import and export of dangerous chemicals:** None

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:**  
None

**Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:** None

**Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:** None

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:** None

**Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances:** None

**EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:** None

**Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:** None

#### **National Regulations**

**Water Hazard Class (WGK):** non-hazardous to water

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

#### **Inventory Status:**

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory
Japan (ENCS) List:	One or more components are not listed or are exempt from listing.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Canada NDSL Inventory:	One or more components are not listed or are exempt from listing.
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	One or more components are not listed or are exempt from listing.
Japan Pharmacopoeia Listing:	One or more components are not listed or are exempt from listing.
Mexico INSQ:	On or in compliance with the inventory
Ontario Inventory:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

### **SECTION 16: Other information**

#### **Definitions:**

#### **References**

PBT	PBT: persistent, bioaccumulative and toxic substance.
vPvB	vPvB: very persistent and very bioaccumulative substance.

**Key literature references and sources for data:** According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

**Wording of the H-statements in section 2 and 3**

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Other information:** Additional information is available by request.

**Issue Date:** 03.10.2018

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