

Decospray : Gold chromium - FDS221



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : Decospray : Gold chromium
Product code : FDS221.

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

Paints & Varnishes for artists

1.3. Details of the supplier of the safety data sheet

Registered company name : PEBEO SAS.
Address : CS 10106 .13881.GEMENOS CEDEX.FRANCE.
Telephone : 33 (0) 4.42.32.08.08. Fax : 33 (0) 4.42.32.01.70.
cededeyne@pebeo.com
www.pebeo.com

1.4. Emergency telephone number : 33 (0) 1.45.42.59.59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

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).
Skin irritation, Category 2 (Skin Irrit. 2, H315).
Eye irritation, Category 2 (Eye Irrit. 2, H319).
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H335).
Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).
Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

2.2. Label elements

Mixture for aerosol application.

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

Hazard pictograms :



GHS02



GHS07



GHS08



GHS09

Signal Word :

DANGER

Product identifiers :

EC 905-215-1 XYLENE

Hazard statements :

H222

Extremely flammable aerosol.

H229

Pressurised container: May burst if heated.

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory irritation.

H373

May cause damage to organs through prolonged or repeated exposure (if inhaled).

H411

Toxic to aquatic life with long lasting effects.

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Precautionary statements - General :

P102 Keep out of reach of children.

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.

P271 Use only outdoors or in a well-ventilated area.

Precautionary statements - Storage :

P405 Store locked up.

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

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.

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

Identification	(EC) 1272/2008	Note	%
CAS: 1330-20-7 EC: 905-215-1 REACH: 01-2119488216-32 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 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 2, H373	[1]	25 \leq x % < 50
CAS: 7440-50-8 EC: 231-159-6 REACH: 01-2119480154-42 BRONZE EN POWDRE	GHS07, GHS09 Wng Acute Tox. 4, H302 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1	[1]	10 \leq x % < 25
INDEX: 030-001-01-9 CAS: 7440-66-6 EC: 231-175-3 REACH: 01-2119467174-37 ZINC POWDER - ZINC DUST (STABILISED)	GHS09 Wng Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[1]	2.5 \leq x % < 10
INDEX: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 ACETONE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	2.5 \leq x % < 10
INDEX: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 ETHYLBENZENE	GHS02, GHS07, GHS08 Dgr Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 Asp. Tox. 1, H304	[1]	0 \leq x % < 2.5

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

Information on ingredients :

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

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

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.

SECTION 5 : FIREFIGHTING MEASURES

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

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.

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

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

5.3. Advice for firefighters

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.

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.

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. 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.

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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.

Avoid exposure - obtain special instructions before use.

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.

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 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.

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 (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 :
1330-20-7	221	50	442	100	Peau
67-64-1	1210	500	-	-	-
100-41-4	442	100	884	200	Peau

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm	150 ppm		A4; BEI	
7440-50-8	0.2 mg/m3	-	-	-	-
67-64-1	500 ppm	750 ppm		A4; BEI	
100-41-4	20 ppm			A3; BEI	

- South Africa / DOL RL (Department of Labour, Recommended limits, 1995) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm 435 mg/m3	150 ppm 650 mg/m3		Sk	
7440-50-8	1 mg/m3	2 mg/m3	-	-	-
67-64-1	750 ppm 1780 mg/m3	1500 ppm 3560 mg/m3			
100-41-4	100 ppm 435 mg/m3	125 ppm 545 mg/m3			

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

CAS	VME :	VME :	Excess	Notes
1330-20-7		100 ppm 440 mg/m ³		2(II)
67-64-1		500 ppm 1200 mg/m ³		2(I)

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100-41-4		20 ppm 88 mg/m ³		2(II)
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- Australia (NOHSC: 3008, 1995) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	80 ppm	150 ppm	-	-	-
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	500 ppm 1185 mg/m ³	1000 ppm 2375 mg/m ³		A	
100-41-4	100 ppm 434 mg/m ³	125 ppm 543 mg/m ³		H	

- Belgium (Arrêté du 09/03/2014, 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm 221 mg/m ³	100 ppm 442 mg/m ³		D	
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	500 ppm 1210 mg/m ³	1000 ppm 2420 mg/m ³			
100-41-4	100 ppm 442 mg/m ³	125 ppm 551 mg/m ³		D	

- Brazil :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	78 ppm	-	-	-	-
67-64-1	780 ppm	-	-	-	-
100-41-4	78 ppm	-	-	-	-

- Canada / Alberta (Occupational health and safety code, 2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm 434 mg/m ³	150 ppm 651 mg/m ³			
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	500 ppm 1200 mg/m ³	750 ppm 1800 mg/m ³			
100-41-4	100 ppm 434 mg/m ³	125 ppm 543 mg/m ³			

- Canada / British Colombia (2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm	150 ppm			
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	250 ppm	500 ppm			
100-41-4	20 ppm				

- Canada / Ontario (Control of exposure to biological or chemical agents, regulation 491/2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	0.5 ppm	-	-	-	-
67-64-1	500 ppm	750 ppm	-	-	-

- Canada / Quebec (Regulations on occupational health and safety) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm 434 mg/m ³	150 ppm 651 mg/m ³			
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	500 ppm 1190 mg/m ³	1000 ppm 2380 mg/m ³			
100-41-4	100 ppm 434 mg/m ³	125 ppm 543 mg/m ³			

- China (GBZ 2.1, 2007) :

CAS	TWA :	STEL :	Anm :	TWA :	STEL :	Anm :
1330-20-7	50 mg/m ³	100 mg/m ³				

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7440-50-8	0.2 mg/m ³	0.6 mg/m ³	-	-	-	
67-64-1	300 mg/m ³	450 mg/m ³				
100-41-4	100 mg/m ³	150 mg/m ³		G2B		

- Denmark (2008) :

Stof	TWA	VSTEL	Loftvaerdi	Anm
1330-20-7	25 ppm 109 mg/m ³			EH
7440-50-8	-	1 mg/m ³	-	
67-64-1	250 ppm 600 mg/m ³			E
100-41-4	50 ppm 217 mg/m ³			EK

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
1330-20-7	50	221	100	442	*	4 Bis, 84, *
67-64-1	500	1210	1000	2420	-	84
100-41-4	20	88.4	100	442	*	84

- Finland (HTP-värden 2016) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm 220 mg/m ³	100 ppm 440 mg/m ³			
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	500 ppm 1200 mg/m ³	630 ppm 1500 mg/m ³			
100-41-4	50 ppm 220 mg/m ³	200 ppm 880 mg/m ³			

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), 2017) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm 221 mg/m ³	100 ppm 442 mg/m ³		via dermica,	
7440-50-8	0.2 mg/m ³	-	-	-	-
67-64-1	500 ppm 1210 mg/m ³			VLB®, VLI	
100-41-4	100 ppm 441 mg/m ³	200 ppm 884 mg/m ³		via dermica, VLB®, VLI	

- Hong-Kong (Code of practice on control of air impurities (Chemicals substances) in the workplace, 04/2002) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm	150 ppm	-	-	-
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	500 ppm	750 ppm	-	-	-
100-41-4	100 ppm	125 ppm	-	-	-

- Ireland (Code of practice for the Chemical Agents Regulations, 2016) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm 221 mg/m ³	100 ppm 442 mg/m ³			
7440-50-8	0.2 mg/m ³	-	-	-	-
67-64-1	500 ppm 1210 mg/m ³				
100-41-4	100 ppm 442 mg/m ³	200 ppm 884 mg/m ³			

- Japan (JSOH, 11/05/2017) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm	-	-	-	-
67-64-1	200 ppm 470 mg/m ³				

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100-41-4	50 ppm 217 mg/m ³				
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- Malaysia :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm	-	-	-	-
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	500 ppm	-	-	-	-
100-41-4	100 ppm	-	-	-	-

- Mexico :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 ppm	150 ppm	-	-	-
7440-50-8	1 mg/m ³	2 mg/m ³	-	-	-
67-64-1	1000 ppm	1260 ppm	-	-	-
100-41-4	100 ppm	125 ppm	-	-	-

- Norway (Veiledning om administrative normer for forurensning i arbeidsatmosfære, May 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	25 ppm 108 mg/m ³			H	
7440-50-8	0.02 mg/m ³	-	-	-	-
67-64-1	125 ppm 295 mg/m ³				
100-41-4	5 ppm 20 mg/m ³			H K	

- New Zealand (Workplace Exposure standards, 2002) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm 217 mg/m ³				
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	500 ppm 1185 mg/m ³	1000 ppm 2375 mg/m ³			
100-41-4	100 ppm 434 mg/m ³	125 ppm 543 mg/m ³			

- Netherlands / MAC-waarde (10 december 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	210 mg/m ³	442 mg/m ³		Huid	
7440-50-8	0.2 mg/m ³	-	-	-	-
67-64-1	1210 mg/m ³	2420 mg/m ³			
100-41-4	215 mg/m ³	430 mg/m ³		Huid	

- Poland (2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	100 mg/m ³				
7440-50-8	0,2 mg/m ³				
67-64-1	600 mg/m ³	1800 mg/m ³			
100-41-4	200 mg/m ³	400 mg/m ³			

- Czech Republic (Regulation No. 361/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	200 mg/m ³	400 mg/m ³		D, I	
7440-50-8	0.1 mg/m ³	0.2 mg/m ³	-	-	-
67-64-1	800 mg/m ³	1500 mg/m ³		I	
100-41-4	200 mg/m ³	500 mg/m ³		D	

- Slovakia (Règlement 300/2007, 471/2011 23/11/2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm 221 mg/m ³	100 ppm 442 mg/m ³		K	

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7440-50-8			II.1		
7440-66-6	2 mg/m ³				
67-64-1	500 ppm 1 210 mg/m ³				
100-41-4	100 ppm 442 mg/m ³	200 ppm 884 mg/m ³		K	

- Switzerland (SUVAPRO 2017) :

CAS	VME	VLE	Valeur plafond	Notations
1330-20-7	100 ppm 435 mg/m ³	200 ppm 870 mg/m ³		R B
7440-50-8	0,1 i mg/m ³	0,2 i mg/m ³		SSC
67-64-1	500 ppm 1200 mg/m ³	1000 ppm 2400 mg/m ³		B
100-41-4	50 ppm 220 mg/m ³	50 ppm 220 mg/m ³		R B OB

- Sweden (AFS 2015 :7) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	2015 ppm 50 mg/m ³ 221 fcm ³	100 mg/m ³ 442 fc/m ³		H	
7440-50-8	1978 ppm 1 fcm ³				
67-64-1	1993 ppm 250 mg/m ³ 600 fcm ³	500 mg/m ³ 1200 fc/m ³		V	
100-41-4	2015 ppm 50 mg/m ³ 220 fcm ³	200 mg/m ³ 884 fc/m ³		H	

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
1330-20-7	50 ppm 220 mg/m ³	100 ppm 441 mg/m ³		Sk, BMGV	
7440-50-8	0.2 mg/m ³	-	-	-	-
67-64-1	500 ppm 1210 mg/m ³	1500 ppm 3620 mg/m ³			
100-41-4	100 ppm 441 mg/m ³	125 ppm 552 mg/m ³		Sk	

- USA / NIOSH REL (National Institute for Occupational Safety and Health, Recommended exposure limits) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7440-50-8	0.1 mg/m ³	-	-	-	-
67-64-1	250 ppm	-	-	-	-
100-41-4	100 ppm	125 ppm	-	-	-

- USA / NIOSH IDLH (National Institute for Occupational Safety and Health, Immediately Dangerous to Life or Health Concentrations) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7440-50-8	-	-	100	-	-
67-64-1	250 ppm 590 mg/m ³				
100-41-4	100 ppm 435 mg/m ³	125 ppm 545 mg/m ³			

- USA / OSHA PEL (Occupational Safety and Health Administration, Permissible Exposure Limits) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7440-50-8	1 mg/m ³	-	-	-	-
67-64-1	1000 ppm 2400 mg/m ³				

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100-41-4	100 ppm 435 mg/m ³				
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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.

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 EN374.

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 :

- PVA (Polyvinyl alcohol)

Recommended properties :

- Impervious gloves in accordance with standard EN374

- 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 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 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 breathing vapours.

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.

Category :

- FFP1

- FFP3

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

- A1 (Brown)

- A3 (Brown)

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Particle filter according to standard EN143 :

- P1 (White)
- P3 (White)

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

Physical state : Fluid liquid.
Spray.

Important health, safety and environmental information

pH : Not relevant.
Boiling point/boiling range : Not specified.
Flash Point : -80.00 °C.
Explosive properties, lower explosivity limit (%) : 1.8
Explosive properties, upper explosivity limit (%) : 9.0
Vapour pressure (50°C) : Below 110 kPa (1.10 bar).
Density : 0.81
Water solubility : Insoluble.
Melting point/melting range : Not relevant.
Self-ignition temperature : 0 °C.
Decomposition point/decomposition range : Not relevant.
% VOC : 79.3
Chemical combustion heat : Not specified.
Inflammation time : Not specified.
Deflagration density : Not specified.
Inflammation distance : Not specified.
Flame height : Not specified.
Flame duration : Not specified.

9.2. Other information

Enthalpy of combustion : 9719 kcal/kg
VOC (g/l) : 640.3

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.

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

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

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- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.

May cause severe damage to organs in the event of repeated or prolonged exposure.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 1330-20-7 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

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

12.1. Toxicity**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

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.

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.

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.

Decospray : Gold chromium - FDS221**Soiled packaging :**

Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

20 01 27 * paint, inks, adhesives and resins containing dangerous substances
15 01 04 metallic packaging

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 2017 - IMDG 2016 - ICAO/IATA 2017).

14.1. UN 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

- Environmentally hazardous material :

**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
	2	See SP63	-	See SP277	F-D,S-U	63 190 277 327 344 381 959	E0

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	Forbidden	Forbidden	203	150 kg	A1 A145 A167 A802	E0
	2.1	-	-	Forbidden	Forbidden	-	-	A1 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. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

Decospray : Gold chromium - FDS221**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:

- Directive 75/324/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/669 (ATP 11)

- Container information:

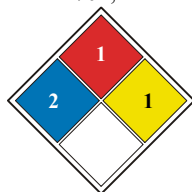
Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

- Particular provisions :

No data available.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :

NFPA 704. Labelling: Health=2 Inflammability=1 Instability/Reactivity=1 Specific Risk=none

**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 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

Abbreviations :

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

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

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS02 : Flame

GHS07 : Exclamation mark

GHS08 : Health hazard

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.