

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: ASD, PART B

Product No.: 000001016856

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

Identified uses: photochemicals

Uses advised against: Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Agfa Graphics NV
Septestraat 27
2640 Mortsel
Belgium

Telephone: +32 3 4442111

Fax: +32 3 4447094

E-mail: electronic.sds@agfa.com

National Supplier

Agfa-Gevaert Ltd.
Vantage West
Great West Road
Brentford, Middlesex TW8 9AX
United Kingdom

Telephone: +44 (0)20 8 231 4616

Fax: +44 (0)20 8 231 4951

E-mail: electronic.sds@agfa.com

1.4 Emergency telephone number:

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

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

Health Hazards

Acute toxicity (Oral)	Category 4	H302: Harmful if swallowed.
Serious eye damage	Category 1	H318: Causes serious eye damage.
Skin sensitizer	Category 1	H317: May cause an allergic skin reaction.
Germ Cell Mutagenicity	Category 2	H341: Suspected of causing genetic defects.
Carcinogenicity	Category 2	H351: Suspected of causing cancer.

Environmental Hazards

Acute hazards to the aquatic environment	Category 1	H400: Very toxic to aquatic life.
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2.2 Label Elements

Contains:

Hydroquinone
sodium disulphite
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone


Signal Word:

Danger

Hazard Statement(s):

H302: Harmful if swallowed.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H341: Suspected of causing genetic defects.
H351: Suspected of causing cancer.
H400: Very toxic to aquatic life.

Precautionary Statements
Prevention:

P201: Obtain special instructions before use.
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor/...
P308+P313: IF exposed or concerned: Get medical advice/attention.
P391: Collect spillage.

2.3 Other hazards

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information:

No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Hydroquinone	50 - <100%	123-31-9	204-617-8	01-2119524016-51-0002	10	#
Potassium bromide	5 - <10%	7758-02-3	231-830-3	No data available.	No data available.	
sodium disulphite	1 - <3%	7681-57-4	231-673-0	01-2119531326-45-0002	No data available.	#

4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	1 - <5%	13047-13-7	235-920-3	No data available.	No data available.	
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	0.1 - <1%	14132-84-4	237-984-8	No data available.	No data available.	

* 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).

Classification

Chemical name	Classification	Notes
Hydroquinone	Skin Sens.: 1: H317 Eye Dam.: 1: H318 Acute Tox.: 4: H302 Muta.: 2: H341 Carc.: 2: H351 Aquatic Acute: 1: H400	No data available.
Potassium bromide	Eye Irrit.: 2: H319	
sodium disulphite	Acute Tox.: 4: H302 Eye Dam.: 1: H318	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	Acute Tox.: 4: H302 Skin Sens.: 1: H317 Aquatic Chronic: 2: H411	
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	Skin Sens.: 1: H317	

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

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

General: CAUTION! First aid personnel must be aware of own risk during rescue!

4.1 Description of first aid measures

Inhalation: Move to fresh air.

Skin Contact: Call a POISON CENTRE/doctor/ if you feel unwell. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

Eye contact: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

Ingestion: Call a POISON CENTRE/doctor/ if you feel unwell. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed: See section 11 of the SDS for additional information on health hazards.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: See section 11 of the SDS for additional information on health hazards.

Treatment: Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

- 5.1 Extinguishing media**
Suitable extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.
- 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: No data available.
- Special protective equipment for fire-fighters:** 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:** See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.
- 6.2 Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up:** Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal.
- 6.4 Reference to other sections:** See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Avoid contact with eyes, skin, and clothing. Wash hands thoroughly after handling. Do not taste or swallow. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store locked up.
- 7.3 Specific end use(s):** Reserved for industrial and professional use.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values	Source
Hydroquinone	TWA	0.5 mg/m ³	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
sodium disulphite	TWA	5 mg/m ³	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Sodium sulphite	General population	Oral	Systemic, long-term; 11 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 88 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 298 mg/m3	Repeated dose toxicity
Potassium bromide	Workers	Inhalation	Systemic, long-term; 4.75 mg/m3	Repeated dose toxicity
	Workers	Dermal	Systemic, short-term; 95 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 95 mg/kg	Repeated dose toxicity
sodium disulphite	Workers	Inhalation	Systemic, long-term; 225 mg/m3	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 8.6 mg/kg	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 66 mg/m3	Repeated dose toxicity
Polyglycol	Workers	Inhalation	Systemic, long-term; 5.096556 mg/m3	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 1.2678 mg/m3	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 1.102435 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 4.470663 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 2.20487 mg/kg	Repeated dose toxicity

PNEC-Values

Critical component	Environmental compartment	PNEC-Values
Sodium sulphite	Aquatic (marine water)	0.13 mg/l
	Aquatic (freshwater)	1.33 mg/l
	Sewage treatment plant	99.9 mg/l
Potassium bromide	soil	3.2 mg/kg
	Aquatic (freshwater)	0.52 mg/l
	Sewage treatment plant	100 mg/l
	Aquatic (marine water)	41 mg/l
	Aquatic (intermit. releases)	109 mg/l
sodium disulphite	Aquatic (marine water)	0.1 mg/l
	Aquatic (freshwater)	1 mg/l
	Sewage treatment plant	75.4 mg/l
Polyglycol	Sewage treatment plant	72.92 mg/l
	Aquatic (marine water)	0.0188 mg/l
	Marine sediments	188 mg/kg
	freshwater sediment	188 mg/kg
	soil	52.264 mg/kg
	Aquatic (freshwater)	0.188 mg/l
	Aquatic (intermit. releases)	1.88 mg/l

8.2 Exposure controls

Appropriate Engineering Controls:

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

General information:

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. Follow training instructions when handling this material.

Eye/face protection:

Safety goggles. EN 166.

Skin protection

Hand Protection:	Protective gloves should be used if there is a risk of direct contact or splash.(EN374) Chemical resistant gloves required for prolonged or repeated contact. Butyl rubber. Glove thickness: > 0.70 mm Break-through time: > 480 min Risk of splashes: Nitrile rubber. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
Other:	Safety clothes : long sleeved clothing EN13688
Respiratory Protection:	In case of inadequate ventilation use suitable respirator (EN14387). Seek advice from local supervisor.
Hygiene measures:	Avoid contact with skin. Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product. Wash hands after handling. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.
Environmental Controls:	Do not empty into drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Powder form.
Color:	White to beige
Odor:	Odourless.
Odor Threshold:	No data available.
pH:	7.6 (25 °C)
Melting Point:	No data available.
Boiling Point:	> 100 °C (Literature.)
Flash Point:	not applicable
Evaporation Rate:	No data available.
Flammability (solid, gas):	Product is not combustible.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

VOC Content:

EC Directive 1999/13: 0 g/l ~0 % (calculated)
EC Directive 2004/42: 0 g/l ~0 % (calculated)

SECTION 10: Stability and reactivity

10.1 Reactivity:	Material is stable under normal conditions.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Not known.
10.4 Conditions to avoid:	Avoid heat or contamination.
10.5 Incompatible Materials:	None known.
10.6 Hazardous Decomposition Products:	By heating and fire, harmful vapors/gases may be formed.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	Inhalation is the primary route of exposure. In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes.
Skin Contact:	Harmful in contact with skin. May cause an allergic skin reaction.
Eye contact:	Eye contact is possible and should be avoided.
Ingestion:	Harmful if swallowed.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	ATEmix: 645.13 mg/kg
Specified substance(s)	
Hydroquinone	LD 50 (Rat): 367.3 mg/kg Experimental result, Key study
Potassium bromide	LD 50 (Rat): > 5,000 mg/kg Experimental result, Key study
sodium disulphite	LD 50 (Rat): 1,540 mg/kg Experimental result, Key study
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

Dermal

Product:	Not classified for acute toxicity based on available data.
Specified substance(s)	
Hydroquinone	No data available.
Potassium bromide	LD 50 (Rabbit) : > 2,000 mg/kg
sodium disulphite	No data available.
4-hydroxymethyl-4-	No data available.

methyl-1-phenyl-3-pyrazolidone
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol

No data available.

Inhalation

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

Specified substance(s)

Hydroquinone No data available.
Potassium bromide No data available.
sodium disulphite No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Hydroquinone No data available.
Potassium bromide LOAEL (Rat(Female), Oral, 90 - 118 d): 225 mg/kg
sodium disulphite No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

Hydroquinone in vivo (Rabbit): Experimental result, Weight of Evidence study
Potassium bromide No data available.
sodium disulphite in vivo (Rabbit): Read-across from supporting substance (structural analogue or surrogate), Key study
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol No data available.

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

Hydroquinone No data available.
Potassium bromide No data available.
sodium disulphite in vivo (Rabbit, 24 - 72 hrs): Category 1 EU
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol No data available.

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

Germ Cell Mutagenicity
In vitro

Product:	No data available.
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Specified substance(s)

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

In vivo

Product:	No data available.
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Specified substance(s)

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

Carcinogenicity

Product:	Suspected of causing cancer.
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Specified substance(s)

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

Reproductive toxicity

Product:	No data available.
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Specified substance(s)

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.

5-Anilino-4-phenyl-1,2,4-triazole-3-thiol No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Hydroquinone No data available.
Potassium bromide No data available.
sodium disulphite No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Hydroquinone No data available.
Potassium bromide No data available.
sodium disulphite No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Hydroquinone No data available.
Potassium bromide No data available.
sodium disulphite No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol No data available.

SECTION 12: Ecological information

General information: Contains a substance which causes risk of hazardous effects to the environment.

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Hydroquinone LC 50 (Oncorhynchus mykiss, 96 h): 0.638 mg/l (flow-through) Experimental result, Key study
Potassium bromide No data available.
sodium disulphite LC 50 (Oncorhynchus mykiss, 96 h): 177.8 mg/l (Static) Experimental result,

4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol

Supporting study
No data available.

No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Hydroquinone
Potassium bromide
sodium disulphite
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol

EC 50 (Daphnia magna, 48 h): 0.134 mg/l (semi-static) Experimental result, Key study
No data available.
EC 50 (Daphnia magna, 48 h): 89 mg/l (Static) Experimental result, Key study
No data available.
No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Hydroquinone
Potassium bromide
sodium disulphite
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol

No data available.
No data available.
No data available.
No data available.
No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Hydroquinone
Potassium bromide
sodium disulphite
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol

No data available.
No data available.
No data available.
No data available.
No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Hydroquinone
Potassium bromide
sodium disulphite
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol

No data available.
No data available.
No data available.
No data available.
No data available.

triazole-3-thiol

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

BOD/COD Ratio

Product No data available.

Specified substance(s)

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

12.4 Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.
5-Anilino-4-phenyl-1,2,4-triazole-3-thiol	No data available.

12.5 Results of PBT and vPvB assessment:

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccumulative) criteria

Hydroquinone	No data available.
Potassium bromide	No data available.
sodium disulphite	No data available.
4-hydroxymethyl-4-methyl-1-phenyl-3-pyrazolidone	No data available.

5-Anilino-4-phenyl-
1,2,4-triazole-3-thiol No data available.

12.6 Other adverse effects: Very toxic to aquatic organisms.

12.7 Additional Information: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Disposal considerations (including disposal of contaminated containers or packaging) Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Disposal methods: Environmental regulations, discharge of chemicals and washwater, waste treatment and disposal conditions of chemicals and their packaging may vary from one country to another. The relevant local regulations should be consulted. When this product or its contaminated packaging has to be removed as waste, contact an authorized waste contractor. May be discharged to drain if local regulations permit.

As the packaging can be contaminated with product residus, please observe the warnings of the label even when the container is empty. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

SECTION 14: Transport information

ADR

14.1 UN Number:	UN 3077
14.2 UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Hydroquinone)
14.3 Transport Hazard Class(es)	
Class:	9
Label(s):	9
Hazard No. (ADR):	90
Tunnel restriction code:	(E)
14.4 Packing Group:	III
Limited quantity	5.00KG
Excepted quantity	E1
14.5 Environmental Hazards:	Yes
14.6 Special precautions for user:	SPECIAL PROVISION 375

RID

14.1 UN Number:	UN 3077
14.2 UN Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Hydroquinone)
14.3 Transport Hazard Class(es)	
Class:	9
Label(s):	9
14.4 Packing Group:	III
14.5 Environmental Hazards:	Yes
14.6 Special precautions for user:	—

IMDG

14.1 UN Number:	UN 3077
14.2 UN Proper Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Hydroquinone)
14.3 Transport Hazard Class(es)	
Class:	9
Label(s):	9
EmS No.:	F-A, S-F
14.4 Packing Group:	III
Limited quantity	5.00KG
Excepted quantity	E1
14.5 Environmental Hazards:	Environmentally Hazardous
14.6 Special precautions for user:	CODE 2.10.2.7

IATA

14.1 UN Number:	UN 3077
14.2 Proper Shipping Name:	Environmentally hazardous substance, solid, n.o.s.(Hydroquinone)
14.3 Transport Hazard Class(es):	
Class:	9
Label(s):	9MI
14.4 Packing Group:	III
Limited quantity	30.00KG
Excepted quantity	E1
14.5 Environmental Hazards:	Yes
14.6 Special precautions for user:	SPECIAL PROVISION A197

Other information

Passenger and cargo aircraft: Allowed.

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:

Chemical name	CAS-No.	Concentration
sodium disulphite	7681-57-4	1.0 - 10%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Not relevant.

References

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

Key literature references and sources for data: Safety Data Sheet from the supplier.
ECHA

Wording of the H-statements in section 2 and 3

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Training information: No data available.

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

Acute Tox. 4, H302
Eye Dam. 1, H318
Skin Sens. 1, H317
Muta. 2, H341
Carc. 2, H351
Aquatic Acute 1, H400

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Disclaimer: This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.