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: G135s

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

Identified uses: photochemicals
Uses advised against: For industrial use only

1.3 Details of the supplier of the safety data sheet

Manufacturer

Agfa-Gevaert NV
Septestraat 27
2640 Mortsel
Belgium

Telephone: +32 3 4445501
Fax: +32 3 4445503
E-mail: electronic.sds@agfa.com

National Supplier

Agfa NV - UK Branch
Units 1 & 2 Ashbourne Court,
Manners Industrial Estate
DE7 8EF Ilkeston
United Kingdom

Telephone: +44 (0)20 8 231 4616
Fax: +44 (0)20 8 231 4951

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

Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye irritation	Category 2	H319: Causes serious eye irritation.

2.2 Label Elements

Signal Word: Warning

Hazard Statement(s): H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statements

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

Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P332+P313: If skin irritation occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P362: Take off contaminated clothing.

2.3 Other hazards

Not fulfilling PBT (persistent/bioaccumulative/toxic) criteria Not fulfilling vPvB (very persistent/very bioaccummulative) criteria
Endocrine Disruption-Toxicity
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Endocrine Disruption-Ecotoxicity
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Potassium bromide	20 - <50%	7758-02-3	231-830-3	01-2119962195-33-XXXX;	No data available.	
Acetic acid	10 - <20%	64-19-7	200-580-7	01-2119475328-30-XXXX;	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).
This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
Potassium bromide	Classification: Eye Irrit.: 2: H319;	No data available.
Acetic acid	Classification: Flam. Liq.: 3: H226; Flam. Liq.: 3: H226; Skin Corr.: 1A: H314; Skin Corr.: 1A: H314; Eye Dam.: 1: H318; Specific concentration limit: Serious eye damage Category 1, 25 - < 90 %; Skin irritation Category 2, 10 - < 25 %; Skin corrosion Sub-category 1B, 25 - < 90 %; Skin corrosion Sub-category 1A, >= 90 %; Serious eye irritation Category 2, 10 - < 25 %; Skin irritation Category 2, 10 - < 25 %; Skin corrosion Sub-category 1A, >= 90 %; Skin corrosion Sub-category 1B, 25	Note BNote B

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

	- < 90 %; Serious eye irritation Category 2, 10 - < 25 %;	

CLP: Regulation No. 1272/2008.

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

SECTION 4: First aid measures

General: Get medical attention if symptoms occur.

4.1 Description of first aid measures

Inhalation: Move to fresh air.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

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

Personal Protection for First-aid Responders: CAUTION! First aid personnel must be aware of own risk during rescue! See Section 8 of the SDS for Personal Protective Equipment.

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: Treat symptomatically.

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.

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

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.

6.1.1 For non-emergency personnel: Use personal protective equipment.

6.1.2 For emergency responders: Warn everybody of potential hazards and evacuate if necessary. Use personal protective equipment.

6.2 Environmental Precautions: Do not contaminate water sources or sewer. Contact local authorities in case of spillage to drain/aquatic environment. Prevent entry into waterways, sewer, basements or confined areas.

6.3 Methods and material for containment and cleaning up: Prevent further leakage or spillage if safe to do so. Stop the flow of material, if this is without risk. Small Spillages: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Clean surface thoroughly to remove residual contamination. Large Spillages: 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 skin. Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities: Store away from incompatible materials.

7.3 Specific end use(s): For industrial use only

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Exposure Limit Values		Source
Acetic acid	TWA	10 ppm	25 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (08 2018)
	TWA	10 ppm	25 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (12 2009)
	STEL	20 ppm	50 mg/m3	EU. Indicative Occupational Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, as amended (02 2017)
	STEL 15 minutes	20 ppm	50 mg/m3	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)
	TWA 8 hours	10 ppm	25 mg/m3	EU. Scientific Committee on Occupational Exposure Limit Values (SCOELs), European Commission - SCOEL, as amended (2014)

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

	STEL 15 minutes	20 ppm	50 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (01 2020)

Biological Limit Values

None of the components have assigned exposure limits.

DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
Potassium bromide	Workers	Inhalation	Systemic, long-term; 4.75 mg/m3	Repeated dose toxicity
	Workers	Eyes	Local effect;	Low hazard (no threshold derived)
	General population	Eyes	Local effect;	Low hazard (no threshold derived)
	General population	Oral	Systemic, long-term; 0.475 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term; 95 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, short-term; 50 mg/kg	Acute toxicity
	General population	Dermal	Systemic, short-term; 95 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term; 95 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, short-term; 95 mg/kg	Repeated dose toxicity
Acetic acid	Workers	Inhalation	Local, long-term; 25 mg/m3	irritation respiratory tract
	General population	Inhalation	Local, long-term; 25 mg/m3	irritation respiratory tract
	General population	Inhalation	Local, short-term; 25 mg/m3	irritation respiratory tract
	Workers	Inhalation	Local, short-term; 25 mg/m3	irritation respiratory tract
	Workers	Eyes	Local effect;	Medium hazard (no threshold derived)
	General population	Eyes	Local effect;	Medium hazard (no threshold derived)

PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Potassium bromide	soil	3.2 mg/kg	
	Aquatic (freshwater)	0.52 mg/l	
	Aquatic (marine water)	41 mg/l	
	Sewage treatment plant	100 mg/l	
Acetic acid	soil	0.47 mg/kg	
	Aquatic (marine water)	0.306 mg/l	
	Marine sediments	1.136 mg/kg	
	freshwater sediment	11.36 mg/kg	
	Aquatic (freshwater)	3.058 mg/l	
	Sewage treatment plant	85 mg/l	

8.2 Exposure controls

Appropriate Engineering Controls:

Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

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

General information:	Follow training instructions when handling this material. 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.
Eye/face protection:	Safety goggles. EN 166.
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 (EN374), Glove thickness: > 0.35 mm, Break-through time: > 240 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.
Skin and Body Protection:	Safety clothes : long sleeved clothing EN13688
Respiratory Protection:	In case of inadequate ventilation use suitable respirator (EN14387). Seek advice from local supervisor.
Hygiene measures:	Wash contaminated clothing before reuse. Avoid contact with skin. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.
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:	liquid
Form:	liquid
Color:	Colorless
Odor:	Sour/acidic
Odor Threshold:	No data available.
Freezing point:	< 32 °F/< 0 °C (QSAR)
Boiling Point:	> 212 °F/> 100 °C (QSAR)
Flammability:	Not flammable.
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper:	not applicable
Explosive limit - lower:	not applicable
Flash Point:	> 212 °F/> 100 °C
Self Ignition Temperature:	not determined
Decomposition Temperature:	No data available.
pH:	1.9 (77 °F/25 °C)
Viscosity	
Dynamic viscosity:	not applicable
Kinematic viscosity:	Not determined.
Flow Time:	not applicable
Solubility(ies)	
Solubility in Water:	Miscible with water.

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

Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable Mixture
Vapor pressure:	20.79 hPa (68 °F/20 °C)
Relative density:	1.1860 (68 °F/20 °C) (QSAR)
Density:	not applicable
Bulk density:	not applicable
Relative vapor density:	No data available.
Particle characteristics	
Particle Size Distribution:	not applicable
Specific surface area:	not applicable
Surface charge/Zeta potential:	not applicable
Assessment:	not applicable
Shape:	not applicable
Crystallinity:	not applicable
Surface treatment:	not applicable

9.2 Other information

VOC Content: EC Directive 1999/13: 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: Causes skin irritation.

Eye contact: Causes serious eye irritation.

Ingestion: May be ingested by accident. Ingestion may cause irritation and malaise.

11.1 Information on toxicological effects

Acute toxicity

Oral

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

Product:	Not classified for acute toxicity based on available data.
Components:	
Potassium bromide	LD 50 (Rat): > 5,000 mg/kg Experimental result, Key study
Acetic acid	LD 50 (Rat): 3,310 mg/kg Experimental result, Weight of Evidence study

Dermal

Product:	ATEmix 7,794.12 mg/kg
Components:	
Potassium bromide	No data available.
Acetic acid	LD 50 (Rabbit): 1,060 mg/kg

Inhalation

Product:	Not classified for acute toxicity based on available data.
Components:	
Potassium bromide	No data available.
Acetic acid	LOAEL (Rat, 4 h)450 ppm Vapor, Experimental result, Weight of Evidence study

Repeated dose toxicity

Product:	No data available.
Components:	
Potassium bromide	LOAEL (Rat(female), Oral, 90 - 118 d): 225 mg/kg
Acetic acid	NOAEL (Rat(Male), Oral, 8 Weeks): 290 mg/kg

Skin Corrosion/Irritation:

Product:	Causes skin irritation.
Components:	
Potassium bromide	in vivo Not irritant Experimental result, Key study
Acetic acid	No data available.

Serious Eye Damage/Eye Irritation:

Product:	Causes serious eye irritation.
Components:	
Potassium bromide	No data available.
Acetic acid	in vivo Category 1

Respiratory or Skin Sensitization:

Product:	Based on available data, the classification criteria are not met.
Components:	
Potassium bromide	No data available.
Acetic acid	No data available.

Germ Cell Mutagenicity

Product:	Based on available data, the classification criteria are not met.

In vitro

Components:	
Potassium bromide	No data available.

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

Acetic acid	No data available.

In vivo

Components:

Potassium bromide	No data available.
Acetic acid	No data available.

Carcinogenicity

Product: Based on available data, the classification criteria are not met.

Components:

Potassium bromide	No data available.
Acetic acid	No data available.

Reproductive toxicity

Product: Based on available data, the classification criteria are not met.

Components:

Potassium bromide	No data available.
Acetic acid	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are not met.

Components:

Potassium bromide	No data available.
Acetic acid	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Components:

Potassium bromide	No data available.
Acetic acid	No data available.

Aspiration Hazard

Product: Based on available data, the classification criteria are not met.

Components:

Potassium bromide	No data available.
Acetic acid	No data available.

11.2 Information on health hazards

Endocrine Disruption

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.;

Components:

Potassium bromide	No data available.
Acetic acid	No data available.

SECTION 12: Ecological information

SAFETY DATA SHEET

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

12.1 Toxicity

Acute toxicity

Remarks:

Based on available data, the classification criteria are not met.

Fish

Product:	No data available.

Components

Potassium bromide	No data available.
Acetic acid	NOAEL (Oncorhynchus mykiss, 96 h): 1,000 mg/l (semi-static) Experimental result, Key study LC 50 (Oncorhynchus mykiss, 96 h): > 1,000 mg/l (semi-static) Experimental result, Key study

Aquatic Invertebrates

Product:	No data available.

Components

Potassium bromide	EC 50 (Daphnia magna, 48 h): > 100 mg/l (Static) Experimental result, Key study
Acetic acid	EC 50 (Daphnia magna, 48 h): > 300.82 mg/l (Static) Experimental result, Key study

Toxicity to Aquatic Plants

Product:	No data available.

Components

Potassium bromide	No data available.
Acetic acid	No data available.

Toxicity to microorganisms

Product:	No data available.

Components

Potassium bromide	No data available.
Acetic acid	No data available.

Chronic Toxicity

Remarks:

Based on available data, the classification criteria are not met.

Fish

Product:	No data available.

Components

Potassium bromide	No data available.
Acetic acid	No data available.

Aquatic Invertebrates

Product:	No data available.

SAFETY DATA SHEET

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

Components

Potassium bromide	No data available.
Acetic acid	No data available.

Toxicity to Aquatic Plants

Product:	No data available.

Components

Potassium bromide	No data available.
Acetic acid	No data available.

12.2 Persistence and Degradability

Biodegradation

Product:	No data available.

Components

Potassium bromide	No data available.
Acetic acid	(20 d): 96 % Detected in water. Experimental result, Key study

BOD/COD Ratio

Product	No data available.

Components

Potassium bromide	No data available.
Acetic acid	No data available.

12.3 Bioaccumulative potential

Product:	No data available.

Components

Potassium bromide	Earthworms, Bioconcentration Factor (BCF): 0.96 Terrestrial QSAR, Key study Artemia salina, Bioconcentration Factor (BCF): 0.23 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Key study Fish, Bioconcentration Factor (BCF): 1.41 Aquatic sediment QSAR, Key study
Acetic acid	Various, Bioconcentration Factor (BCF): 3.16 Aquatic sediment QSAR, Key study

12.4 Mobility in soil

Product:	No data available.

Components

Potassium bromide	No data available.
Acetic acid	No data available.

12.5 Results of PBT and vPvB assessment

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

Components

Potassium bromide	No data available.

Acetic acid	No data available.

12.6 Endocrine disrupting properties

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Components:

Potassium bromide	No data available.
Acetic acid	No data available.

12.7 Other adverse effects: 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: Discharge, treatment, or disposal may be subject to national, state, or local laws. Wash before disposal. Dispose to controlled facilities.

Since emptied containers retain product residue, follow label warnings even after container is emptied. Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging: Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1 UN number or ID number:	UN 2790
14.2 UN Proper Shipping Name:	ACETIC ACID SOLUTION
14.3 Transport Hazard Class(es)	
Class:	8
Label(s):	8
Hazard No. (ADR):	80
Tunnel restriction code:	(E)
14.4 Packing Group:	III
Limited quantity	5.00L
Excepted quantity	E1
14.5 Environmental Hazards:	No
14.6 Special precautions for user:	–

RID

14.1 UN number or ID number:	UN 2790
14.2 UN Proper Shipping Name	ACETIC ACID SOLUTION
14.3 Transport Hazard Class(es)	

SAFETY DATA SHEET

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

Class:	8
Label(s):	8
14.4 Packing Group:	III
14.5 Environmental Hazards:	No
14.6 Special precautions for user:	–

IMDG

14.1 UN number or ID number:	UN 2790
14.2 UN Proper Shipping Name:	ACETIC ACID SOLUTION
14.3 Transport Hazard Class(es)	
Class:	8
Label(s):	8
EmS No.:	F-A, S-B
14.4 Packing Group:	III
Limited quantity	5.00L
Excepted quantity	E1
14.5 Environmental Hazards:	Not regulated.
14.6 Special precautions for user:	–

IATA

14.1 UN number or ID number:	UN 2790
14.2 Proper Shipping Name:	Acetic acid solution
14.3 Transport Hazard Class(es):	
Class:	8
Label(s):	8
14.4 Packing Group:	III
Limited quantity	1.00L
Excepted quantity	E1
14.5 Environmental Hazards:	No
14.6 Special precautions for user:	–

Other information

Passenger and cargo aircraft:	Allowed.
Cargo aircraft only:	Allowed.

14.7 Maritime transport in bulk according to IMO instruments: not applicable

SECTION 15: Regulatory information

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

EU Regulations

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

EU. REACH Annex XIV, Substances Subject to Authorization: none

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

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled

SAFETY DATA SHEET

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

Substances: none

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: none

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended: none

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended: 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

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:

not applicable

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
Acetic acid	64-19-7	10 - 20%

15.2 Chemical safety assessment: Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms:

ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
ADNR	Accord européen relatif au transport international des marchandises Dangereuses par la Rhin
AGW	Arbeitsplatzgrenswerte (DE)
ATEmix	Acute toxicity estimate of the mixture
CLP	Classification, Labelling and Packaging of substances and mixtures
CMR	carcinogenicity, mutagenicity and toxicity for reproduction
DNEL	Derived No Effect Level
EC0	Effective Concentration 0%

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

EC5	Effective Concentration 5%
EC10	Effective Concentration 10%
EC50	Median Effective Concentration
EC100	Effective Concentration 100%
EH40 WEL	Workplace Exposure Limit (GB)
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IC50	inhibitory concentration 50%
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
IUCLID	International Uniform ChemicaL Information Database
LC50	Lethal Concentration 50%
LC100	Lethal Concentration 100%
LOAEL	Lowest Observed Adverse Effect Level
LDL0	Lethal Dose (minimum found to be lethal)
LD50	Lethal Dose 50%
MAC	Maximaal Aanvaardbare Concentratie (NL)
MAK	Maximale Arbeitsplatz-Konzentration
NOAEL	No Observed Adverse Effect Level
NOEL	No Observed Effect Level
NOEC	No Observed Effect Concentration
OEL	Occupatianal Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic substance
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Transport of Dangerous Goods by Rail
STEL	Short Term Exposure Limit
TLV	Treshold Limit Value
TRGS900	Arbeitsplatzgrenswerte (DE)
TWA	Time Weighted Average
VOC	Volatile Organic Compound
vPvB	very Persistent and very Bioaccumulative substance

Notes:

Acetic acid	Note B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid...%'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
	Note B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid...%'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

SAFETY DATA SHEET

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

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

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
Skin irritation, Category 2	Calculation method
Serious eye irritation, Category 2	Calculation method

Wording of the H-statements in section 2 and 3

H226	Flammable liquid and vapor.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Training information: Follow training instructions when handling this material.

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.