

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: Identification

1.1.	Identification		
Product f	form	:	Mixture
Product r	name	:	Hematology Reagent A Buffer (pH 7.2) Concentrate
Product of	code	:	SS-172A or SS-172A-EU
1.2.	Relevant identified uses of the substance or	m	ixture and uses advised against
Use of th	e substance/mixture	:	Staining reagent concentrate

1.3. Details of the supplier of the safety data sheet

ELITechGroup Inc. 370 West 1700 South Logan, UT 84321 - USA T +1 (435) 752-6011 - F +1 (435) 752-4127 qara_ebs@elitechgroup.com - www.elitechgroup.com

1.4. Emergency telephone number

Emergency number

 Contact your distributor or poison control center in your country. InfoTrac Emergency Response: Calls within the USA, phone: 1-800-535-5053. Calls outside the USA, phone: +1 352-323-3500 (call collect)
 Customer ID: #90104 (NOTE: this number is required when a customer calls into either phone number above).

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Acute Tox. 4 (Oral)	H302 -	Harmful if swallowed
Acute Tox. 4 (Dermal)	H312 -	Harmful in contact with skin
Skin Corr. 1	H314 -	Causes severe skin burns and eye damage
Skin Sens. 1	H317 -	May cause an allergic skin reaction
Muta. 2	H341 -	Suspected of causing genetic defects
Carc. 1A	H350 -	May cause cancer (Inhalation, oral)
Repr. 1B	H360 -	May damage fertility or the unborn child (Inhalation, oral)
STOT SE 1	H370 -	Causes damage to organs (Inhalation, oral)

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)

	GHS05 GHS07 GHS08
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	 H302+H312 - Harmful if swallowed or in contact with skin H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H341 - Suspected of causing genetic defects H350 - May cause cancer (Inhalation, oral) H360 - May damage fertility or the unborn child (Inhalation, oral) H370 - Causes damage to organs (Inhalation, oral)
Precautionary statements (GHS US)	 P201 - Obtain special instructions before use. P260 - Do not breathe mist, spray, vapors, fumes. P264 - Wash hands thoroughly after handling P270 - Do not eat, drink or smoke when using this product. P280 - Wear protective gloves, protective clothing, eye protection. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.

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P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting. P302+P352 - If on skin: Wash with plenty of soap and water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,
if present and easy to do. Continue rinsing.
P307+P311 - If exposed: Call a poison center/doctor.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with
local, regional, national and/or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
maleic acid	(CAS-No.) 110-16-7	5 – 15	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1, H314 Skin Sens. 1, H317 STOT SE 3, H335
potassium hydroxide	(CAS-No.) 1310-58-3	5 – 15	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1, H314
1H-imidazole	(CAS-No.) 288-32-4	5 – 15	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Repr. 1B, H360
formaldehyde	(CAS-No.) 50-00-0	< 10	Flam. Gas 1, H220 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1A, H350
methanol	(CAS-No.) 67-56-1	< 5	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1.	Description of first aid measures		
First-ai	d measures general	:	Call a physician immediately.
First-ai	d measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-ai	d measures after skin contact	:	Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-ai	d measures after eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-ai	d measures after ingestion	:	Rinse mouth. Do not induce vomiting. Call a physician immediately.
4.2.	Most important symptoms and effects	, both a	acute and delayed

: Causes severe skin burns and eye damage.

Symptoms/effects

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Symptoms/effects after inhalation	:	May cause respiratory irritation.
Symptoms/effects after skin contact	:	Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	:	Serious damage to eyes.
Symptoms/effects after ingestion	:	Burns.

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

Treat symptomatically.

SECTIO	CTION 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable	e extinguishing media	:	Water spray. Dry powder. Foam. Carbon dioxide.		
Unsuita	ble extinguishing media	:	Do not use a heavy water stream.		
5.2.	Special hazards arising from the substance	orı	nixture		
Fire haz	ard	:	Not classified as flammable. Could burn but do not ignite readily.		
Reactiv	ity	:	The product is non-reactive under normal conditions of use, storage and transport.		
5.3.	Advice for firefighters				
Firefighting instructions		:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.		
Protection during firefighting		:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		
SECTIO	N 6: Accidental release measures				
6.1.	Personal precautions, protective equipmen	t a	nd emergency procedures		
Genera	l measures	:	Remove ignition sources. No open flames. No smoking.		
6.1.1.	For non-emergency personnel				
Emergency procedures		:	Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe spray, mist. No open flames, no sparks, and no smoking.		

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

. Methods and material for containment and cleaning up		
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.	
Other information	: Dispose of materials or solid residues at an authorized site.	

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1.	Precautions for safe handling		
Addition	al hazards when processed	:	Handle empty containers with care because residual vapors are flammable.
Precauti	ons for safe handling	:	Ensure good ventilation of the work station. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Wear personal protective equipment Floors walls and other surfaces in the hazard area must be cleaned regularly. Do

not breathe spray, mist. Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Obtain special instructions before use.

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Hygiene measures	: Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions for safe storage, including any incompatibilities			
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Comply with applicable regulations.		
Storage conditions	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.		
Incompatible products	: Strong bases. Strong acids.		
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.		

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

potassium hydroxide (1310-58-3)		
ACGIH	ACGIH Ceiling (mg/m ³)	2 mg/m ³
ACGIH	Remark (ACGIH)	URT, eye, & skin irr

formaldehyde (50-00-0)		
ACGIH	ACGIH TWA (ppm)	0.1 ppm
ACGIH	ACGIH STEL (ppm)	0.3 ppm
ACGIH	Remark (ACGIH)	URT & eye irr

methanol (67-56-1)		
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	250 ppm
ACGIH	Remark (ACGIH)	Headache; eye dam; dizziness; nausea
OSHA	OSHA PEL (TWA) (mg/m³)	260 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm

8.2. Exposure controls

Appropriate engineering controls

: Ensu	re good	ventilation	of the	work	station.
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- Personal protective equipment : Avoid all unnecessary exposure. Wash hands thoroughly after handling. Hand protection : Wear protective gloves. Suitable gloves should be tested to EN 374. The glove material has to be impermeable and resistant to the product/the substance/the preparation. As the product is a preparation of several substances, the resistance and penetration time/breakthrough time of the glove material cannot be calculated/observed in advance and, therefore, has to be checked prior to the application. The following are recommended: materials - natural latex or nitrile; thickness - 4 to 6 mils (0.1 mm - 0.15 mm); minimum breakthrough time - 60 minutes. Eye protection : Safety glasses. Skin and body protection : Wear suitable protective clothing. **Respiratory protection** : Wear respiratory protection. Environmental exposure controls : Avoid release to the environment. Other information
 - : Do not eat, drink or smoke during use. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1	. Information on basic phys	ical and chemical properties	
Ρ	hysical state	: Liquid	
С	olor	: Colorless	
0	dor	: Characteristic	
0	dor threshold	: No data available	
р	н	: ≈7.37	
N	1elting point	: Not applicable	

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Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	≥ 67 °C
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Vapor pressure	:	No data available
Relative density	:	No data available
Relative vapor density at 20 °C	:	No data available
Solubility	:	Water: No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Not classified

maleic acid (110-16-7)		
LD50 oral rat	2870 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 2470 - 3250	
ATE US (oral)	708 mg/kg body weight	
ATE US (dermal)	1100 mg/kg body weight	
potassium hydroxide (1310-58-3)		
LD50 oral rat	333 – 388 mg/kg body weight (Equivalent or similar to OECD 425, Rat, Male, Experimental value, Oral, 14 day(s))	
ATE US (oral)	333 mg/kg body weight	
1H-imidazole (288-32-4)		
LD50 oral rat	pprox 970 mg/kg body weight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)	
ATE US (oral)	500 mg/kg body weight	
ATE US (oral)	500 mg/kg body weight	

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formaldehyde (50-00-0)	
LD50 oral rat	800 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, 2% aqueous solution, Oral, 14 day(s))
ATE US (oral)	100 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
methanol (67-56-1)	
LD50 oral rat	1187 – 2769 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Aqueous solution, Oral, 7 day(s))
LC50 Inhalation - Rat	128 mg/l air (BASF test, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))
ATE US (oral)	1187 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
Skin corrosion/irritation	: Causes severe skin burns.
	pH: ≈ 7.37
Serious eye damage/irritation	: Assumed to cause serious eye damage
	pH: ≈ 7.37
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Suspected of causing genetic defects.
Carcinogenicity	: May cause cancer (Inhalation, oral).

formaldehyde (50-00-0)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
Reproductive toxicity	: May damage fertility or the unborn child (Inhalation, oral).
STOT-single exposure	: Causes damage to organs (Inhalation, oral).
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Harmful if swallowed. Harmful in contact with skin. Toxic if swallowed. Toxic in contact with skin. Based on available data, the classification criteria are not met.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

SECTION 12: Ecological information

12.1.	Toxicity
Ecology -	general

: Before neutralisation, the product may represent a danger to aquatic organisms.

maleic acid (110-16-7)	
EC50 Daphnia 1	42.81 mg/l Test organisms (species): Daphnia magna
ErC50 (algae)	74.35 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
NOEC (chronic)	10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
potassium hydroxide (1310-58-3)	
LC50 fish 1	80 mg/l (96 h; Gambusia affinis)
1H-imidazole (288-32-4)	
LC50 fish 1	283.6 mg/l (48 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)

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1H-imidazole (288-32-4)		
EC50 Daphnia 1	341.5 mg/l Test organisms (species): Daphnia magna	
ErC50 (algae)	133 mg/l (DIN 38412: German standard methods for the examination of water, waste water and sludge, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)	
formaldehyde (50-00-0)		
LC50 fish 1	6.7 mg/l (96 h, Morone saxatilis, Static system, Salt water, Experimental value, Lethal)	
EC50 Daphnia 1	5.8 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia pulex, Static system, Fresh water, Experimental value, Locomotor effect)	
LC50 fish 2	62 (62 – 109) mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)	
ErC50 (algae)	4.89 – 6.61 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)	
NOEC chronic fish	≥ 48 mg/l Test organisms (species): Oryzias latipes Duration: '28 d'	
methanol (67-56-1)		
LC50 fish 1	15400 mg/l (EPA 660/3 - 75/009, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Lethal)	
EC50 Daphnia 1	18260 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 96 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Locomotor effect)	
NOEC (chronic)	208 mg/l Test organisms (species): Daphnia magna Duration: '21 d'	

12.2. Persistence and degradability

Hematology Reagent A Buffer (pH 7.2) Concentrate		
Persistence and degradability	Not established.	
maleic acid (110-16-7)		
Persistence and degradability	Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.38 g O ₂ /g substance	
Chemical oxygen demand (COD)	0.83 g O ₂ /g substance	
ThOD	0.83 g O ₂ /g substance	
potassium hydroxide (1310-58-3)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
1H-imidazole (288-32-4)		
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.	

formaldehyde (50-00-0)		
Persistence and degradability	Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.64 g O ₂ /g substance	
Chemical oxygen demand (COD)	1.06 g O ₂ /g substance	
ThOD 1.068 g O ₂ /g substance		
methanol (67-56-1)		
methanol (67-56-1)		
methanol (67-56-1) Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.	
methanol (67-56-1) Persistence and degradability Biochemical oxygen demand (BOD)	Readily biodegradable in the soil. Readily biodegradable in water. 0.6 – 1.12 g O ₂ /g substance	
methanol (67-56-1) Persistence and degradability Biochemical oxygen demand (BOD) Chemical oxygen demand (COD)	Readily biodegradable in the soil. Readily biodegradable in water. 0.6 – 1.12 g O ₂ /g substance 1.42 g O ₂ /g substance	

12.3. Bioaccumulative potential

Hematology Reagent A Buffer (pH 7.2) Concentrate			
Bioaccumulative potential Not established.			
maleic acid (110-16-7)			
Partition coefficient n-octanol/water (Log Pow)	-1.3 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)		
Bioaccumulative potential	Not bioaccumulative.		
potassium hydroxide (1310-58-3)			
Bioaccumulative potential	Not bioaccumulative.		
1H-imidazole (288-32-4)			
Partition coefficient n-octanol/water (Log Pow)	-0.02 (Weight of evidence approach, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)		
Bioaccumulative potential	Not bioaccumulative.		

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formaldehyde (50-00-0)		
BCF fish 1	< 1 (1 h, Flow-through system, Salt water, Weight of evidence)	
Partition coefficient n-octanol/water (Log Pow)	0.35 (Calculated, KOWWIN, 25 °C)	
Bioaccumulative potential Low potential for bioaccumulation (BCF < 500).		
methanol (67-56-1)		
methanol (67-56-1)		
methanol (67-56-1) BCF fish 1	1 – 4.5 (72 h, Cyprinus carpio, Static system, Fresh water, Experimental value)	
methanol (67-56-1) BCF fish 1 Partition coefficient n-octanol/water (Log Pow)	1 – 4.5 (72 h, Cyprinus carpio, Static system, Fresh water, Experimental value) -0.77 (Experimental value)	

12.4. Mobility in soil

maleic acid (110-16-7)			
Partition coefficient n-octanol/water (Log Koc)	1.63 (log Koc, Calculated value)		
Ecology - soil	Highly mobile in soil.		
potassium hydroxide (1310-58-3)			
Ecology - soil	Low potential for adsorption in soil.		
1H-imidazole (288-32-4)			
Surface tension	No data available in the literature		
Partition coefficient n-octanol/water (Log Koc)	1.36 – 2.32 (log Koc, Calculated value)		
Ecology - soil	Low potential for adsorption in soil.		
formaldehyde (50-00-0)			
Surface tension	73 mN/m (20 °C, Aqueous solution, 7.5 g/l)		
Ecology - soil	Not applicable (gas). Toxic to flora.		
methanol (67-56-1)			
Surface tension	No data available in the literature		
Partition coefficient n-octanol/water (Log Koc)	-0.89 – -0.21 (log Koc, Calculated value)		
Ecology - soil	Highly mobile in soil.		

12.5. Other adverse effects

Other information : Avoid release to the environment. **SECTION 13: Disposal considerations** 13.1. Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Waste treatment methods Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Additional information Handle empty containers with care because residual vapors are flammable. Flammable vapors may accumulate in the container. Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity. **SECTION 14: Transport information Department of Transportation (DOT)** In accordance with DOT Not regulated for transport

Transportation of Dangerous Goods

No additional information available

Transport by sea

UN-No. (IMDG)	: 3334
Proper Shipping Name (IMDG)	: AVIATION REGULATED LIQUID, N.O.S. (Formaldehyde solution)
Class (IMDG)	: 9 - Miscellaneous dangerous substances and articles

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Air transport

UN-No. (IATA)	:	3334
Proper Shipping Name (IATA)	:	Aviation regulated liquid, n.o.s. (Formaldehyde solution)
Class (IATA)	:	9 - Miscellaneous Dangerous Substances and Articles
Packing group (IATA)	:	III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

maleic acid (110-16-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313		
CERCLA RQ	5000 lb	
potassium hydroxide (1310-58-3)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313		
CERCLA RQ	1000 lb	
1H-imidazole (288-32-4)		
Listed on the United States TSCA (Toxic Substances Control A	ct) inventory	
formaldehyde (50-00-0)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	100 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb	
SARA Section 313 - Emission Reporting 1%		
methanol (67-56-1)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	5000 lb	
SARA Section 313 - Emission Reporting	1%	

15.2. International regulations

CANADA

maleic acid (110-16-7)
Listed on the Canadian DSL (Domestic Substances List)
potassium hydroxide (1310-58-3)
Listed on the Canadian DSL (Domestic Substances List)
1H-imidazole (288-32-4)
Listed on the Canadian DSL (Domestic Substances List)
formaldehyde (50-00-0)
Listed on the Canadian DSL (Domestic Substances List)
methanol (67-56-1)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

formaldehyde (50-00-0)
Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program) Listed on EPA Hazardous Air Pollutant (HAPS)
methanol (67-56-1)
Listed on EPA Hazardous Air Pollutant (HAPS)

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15.3. US State regulations

This product can expose you to formaldehyde, which is known to the State of California to cause cancer, and methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

formaldehyde (50-00-0)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	40 μg/day
methanol (67-56-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	No	47000 μg/day
U.S California - Proposition 65 - O	ther information	NSRL: 23,000 µg/day (oral); 47,000	µg/day (inhalation)	
maleic acid (110-16-7)				
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List				
potassium hydroxide (1310-58	-3)			
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List				
formaldehyde (50-00-0)				
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List U.S Pennsylvania - RTK (Right to Know) List				
methanol (67-56-1)				
U.S Massachusetts - Right To Know List U.S New Jersey - Right to Know Hazardous Substance List				

SECTION 16: Other information

Other information

: None.

Full text of H-phrases:

H220	Extremely flammable gas
H225	Highly flammable liquid and vapor
H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H335	May cause respiratory irritation
H341	Suspected of causing genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H370	Causes damage to organs

SDS US Custom - EBS

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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

Reason For Change: Reason For Change: updated to latest GHS format and classifications to meet compliance. Added Prop 65 information to Section 15.