

SAFETY DATA SHEET

PRODUCT NAME

KEM AQUA Anolyte AO

Data of issue 26/6/2012 Date of revision/ Last confirmation 10/9/2024

1. Identification of the substance or mixture and the supplier

Product name	KEM AQUA Anolyte AO	
SDS No.	GHS-0070E	
Name of supplier	Kyoto Electronics Manufacturing Co., Ltd.	
Address	68 Ninodan-cho, Shinden, Kisshoin, Minami-ku, Kyoto, Japan	
Division	Quality Assurance Department	
Phone	+81-75-691-4121	
Fax	+81-75-691-4127	
Recommended uses and restrictions on use		
Recommended use	For analysis	
Restrictions on use	When using for purposes other than those recommended, consult a specialist.	

2. Hazard identification

GHS classification	
Physical hazards	
Flammable liquids	Category 2
Health hazards	
Acute toxicity / Oral	Category 4
Acute toxicity / Inhalation	Category 4
Skin corrosion / Irritation	Category 2
Serious eye damage / Eye irritation	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ toxicity (single exposure)	Category 1(ISystemic toxicity, Central nervous system,
	Visual organs, Kidney, Liver, Respiratory system,
	Cardiovascular system)
	Category 3(Narcotic effects)
Specific target organ toxicity (repeated exposure	Category 1(Central nervous system, Visual organs,
	Kidney, Liver, Respiratory system)



Environmental hazards	
Short-term (acute) aquatic hazard	Category 3
Long-term (chronic) aquatic hazard	Category 1
HS label elements	
Hazard pictogrames	
Signal words	Danger
Hazard statements	H225 Highly flammable liquid and vapor.
	H302 + H332 Harmful if swallowed or if inhaled.
	H315 Causes skin irritation.
	H317 May cause an allergic skin reaction.
	H318 Causes serious eye damage.
	H336 May cause drowsiness or dizziness.
	H341 Suspected of causing genetic defects.
	H351 Suspected of causing cancer.
	H360 May damage fertility or the unborn child.
	H370 Causes damage to organs (Systemic toxicity,
	Central nervous system, Visual organs, Kidney, Liver,
	respiratory system, Cardiovascular system).
	H371 May cause damage to organs (Respiratory organs).
	H372 Causes damage to organs (Central nervous
	system, Visual organs, Kidney, Liver, respiratory system)
	through prolonged or repeated exposure.
	H373 May cause damage to organs (Thyroid gland,
	respiratory tract system) through prolonged or repeated
	exposure.
	H402 Harmful to aquatic life.
	H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement	

Category 2(Thyroid gland)



Prevention	P201 Obtain special instructions before use.
	P202 Do not handle until all safety precautions have been
	read and understood.
	P210 Keep away from heat, hot surfaces, sparks, open
	flames and other ignition sources. No smoking.
	P233 Keep container tightly closed.
	P240 Ground and bond container and receiving
	equipment.
	P241 Use explosion-proof electrical/ ventilating/ lighting/
	equipment.
	P242 Use non-sparking tools.
	P243 Take action to prevent static discharges.
	P260 Do not breathe mist or vapors.
	P264 Wash skin thoroughly after handling.
	P270 Do not eat, drink or smoke when using this product.
	P271 Use only outdoors or in a well-ventilated area.
	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	P301 + P312 + P330 IF SWALLOWED: Call a POISON
	CENTER/ doctor if you feel unwell. Rinse mouth.
	P303 + P361 + P353 IF ON SKIN (or hair): Take off
	immediately all contaminated clothing. Rinse skin with
	water.
	P304 + P340 + P312 IF INHALED: Remove person to
	fresh air and keep comfortable for breathing. Call a
	POISON CENTER/ doctor if you feel unwell.
	P305 + P351 + P338 + P310 IF IN EYES: Rinse
	cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.
	Immediately call a POISON CENTER/ doctor.
	P308 + P311 IF exposed or concerned: 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.

	P370 + P378 In case of fire: Use dry sand, dry chemical or
	alcohol-resistant foam to extinguish.
	P391 Collect spillage.
Storage	P403 + P233 Store in a well-ventilated place. Keep
	container tightly closed.
	P403 + P235 Store in a well-ventilated place. Keep cool.
	P405 Store locked up.
Disposal	P501 Dispose of contents/ container to an approved
	waste disposal plant.
Other hazards which do not result in classification	None known.

3. Composition/Information on ingredients

substance / mixture

mixture

Components

No.	Chemical name	CAS No.	Concentration	ENCS / ISHL
			(% w/w)	number
1	methanol	67-56-1	30-40	2-201
2	chloroform	67-66-3	30-40	2-37
3	propane-1,2-diol	57-55-6	10-20	2-234
4	Pyridine, 2,2'-(1,3-propanediyl)bis-	15937-81-2	5-15	_
5 N,N-dimethylpyridin-4-amine		1122-58-3	5-15	5-5479
				8-(1)-586
6	sulfur Dioxide	7446-09-5	1-5	1-536
7	iodine	7553-56-2	1-5	_
8	ethanol	64-17-5	<1	2-202

4. First-aid measures

General adviceMove out of dangerous area.Consult a physician.Show this material safety data sheet to the doctor in attendance. Do not leave the victim
unattended.If inhaledRemove victim to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor/physician if you feel unwell.



In case of skin contact	Wash off with soap and plenty of water.
	Wash contaminated clothing before re-use.
	Remove contaminated clothing and shoes.
	If skin irritation or rash occurs: Get medical advice/ attention.
	If skin irritation persists, call a physician.
	If on skin, rinse well with water.
	If on clothes, remove clothes.
In case of eye contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical
	advice.
	Continue rinsing eyes during transport to hospital.
	Protect unharmed eye.
	Keep eye wide open while rinsing.
	Remove contact lenses, if present and easy to do. Continue rinsing.
	Take victim immediately to hospital.
If swallowed	Rinse mouth with water.
	Do NOT induce vomiting.
	If large quantities of this material are swallowed, call a physician immediately.
Most important symptoms	Harmful if swallowed or if inhaled.
and effects, both acute and	Causes skin irritation.
delayed	May cause an allergic skin reaction.
	Causes serious eye damage.
	May cause drowsiness or dizziness.
	Suspected of causing genetic defects.
	Suspected of causing cancer.
	May damage fertility or the unborn child.
	Causes damage to organs.
	Causes damage to organs through prolonged or repeated exposure.
Notes to physician	Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Carbon dioxide (CO ₂)
	Dry sand
	Regular foam
	Vermiculite
Unsuitable extinguishing media	High volume water jet
Specific hazards during fire	Do not allow run-off from fire fighting to enter drains or water courses.
fighting	



Specific extinguishing methods	Collect contaminated fire extinguishing water separately. This must not be
	discharged into drains.
	Fire residues and contaminated fire extinguishing water must be disposed of in
	accordance with local regulations.
Special protective equipment for	Use personal protective equipment.
fire-fighters	

6. Accidental release measures

Personal precautions,	Use personal protective equipment.
protective equipment and	Ensure adequate ventilation.
emergency procedures	Remove all sources of ignition.
	Evacuate personnel to safe areas.
Environmental precautions	Prevent further leakage or spillage if safe to do so.
	If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal
containment and cleaning up	binder, sawdust).
	Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling

Advice on protection against fire and	Take necessary action to avoid static electricity discharge (which might
explosion	cause ignition of organic vapors).
	Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	Take precautionary measures against static discharges.
	Keep away from fire, sparks and heated surfaces.
	Wash skin thoroughly after handling.
	Do not eat, drink or smoke when using this product.
	Use only in area provided with appropriate exhaust ventilation.
Avoidance of contact	No data available
Hygiene measures	When using do not eat or drink.
	When using do not smoke.
	Wash hands before breaks and at the end of workday.
Storage	
Conditions for safe storage	Keep in a well-ventilated place.
	Store at room temperature.
	To maintain product quality, do not store in heat or direct sunlight.



Keep container tightly closed.

Further information on storage

No decomposition if stored and applied as directed.

stability

8. Exposure controls/Personal protection

Threshold limit value and permissible exposure limits for each component in the work environment

Components	CAS-No.	Value type	Control parameters /	Basis	
		(Form of	Reference concentration /		
		exposure)	Permissible concentration		
chloroform	67-66-3	ACL	3 ppm	JP OEL ISHL	
		OEL-M	3 ppm	JP OEL	
			14.7 mg/m ³	JSOH	
	Further informa	tion: Skin absorption	n, Group 2B: possibly carcinog	enic to humans	
		TWA	10 ppm	ACGIH	
methanol	67-56-1	ACL	200 ppm	JP OEL ISHL	
		OEL-M	200 ppm	JP OEL JSOH	
			260 mg/m ³		
	Further informa	tion: Group 2: Subs	tances presumed to cause rep	productive toxicity in	
	humans, Skin a	bsorption			
		TWA	200 ppm	ACGIH	
		STEL	250 ppm	ACGIH	
sulphur dioxide	7446-09-5	STEL	0.25 pm	ACGIH	
iodine	7553-56-2	OEL-M	0.1 ppm	JP OEL	
			1 mg/m ³	JSOH	
	Further informa	Further information: Skin sensitizing agent; Group 2 substances which probably			
	induce allergio	induce allergic reactions in humans.			
		OEL-M	1 ppm	JP OEL	
			1 mg/m ³	JSOH	
	Further informa	Further information: Skin sensitizing agent; Group 2 substances which probably			
	induce allergio	induce allergic reactions in humans.			
		TWA(Inhalable	0.01 ppm	ACGIH	
		fraction and			
		vapor)			
		STEL(Vapor)	0.1 ppm	ACGIH	
		TWA(Inhalable	1 ppm	ACGIH	
		fraction and			
		vapor)			



		STEL(Vapor)	1 ppm	ACGIH
ethanol	64-17-5	STEL	1,000 ppm	ACGIH

Personal protective equipment

Respiratory protection	Suitable respiratory equipment
Hand protection material	Protective gloves
Eye protection	Safety glasses
Skin and body protection	Protective suit

9. Physical and chemical properties

Physical state	Liquid.
Color	light yellow, transparent, red brown
Odor	Pungent
Melting point / Freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability (liquids)	No data available
Lower explosion limit and upper explosion limit / flamm	nability limit
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Flash point	16.8 ℃ (Tag closed cup)
Decomposition temperature	No data available
рН	No data available
Autoignition temperature	No data available
Self-Accelerating decomposition temperature	No data available
(SADT)	
Viscosity	
Viscosity, kinematic	2.53 mm²/s
Solubility(ies)	
Water solubility	completely soluble
Partition coefficient: n-octanol/water	No data available
Vapor pressure	No data available
Density and / or relative density Relative density	1.105 (20 ℃)
Density	No data available
Relative vapor density	No data available
Particle characteristics Particle size	No data available

10. Stability and reactivity



Reactivity	No decomposition if stored and applied as directed.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No decomposition if stored and applied as directed.
Conditions to avoid	No data available
Incompatible materials	No data available
Hazardous decomposition products	No data available

11. Toxicological information

Acute toxicity	Harmful if swallowed or if inhaled.		
Product			
Acute oral toxicity	Acute toxicity estimate 775.55 mg/kg (Calculation method)		
Acute inhalation toxicity	Acute toxicity estimate 7,169 ppm (Calculation method), Exposure time 4 h,		
	Test atmosphere gas		
Acute dermal toxicity	Acute toxicity estimate >2,000 mg/kg (Calculation method)		
methanol			
Acute oral toxicity	LD50 1,400mg/kg		
Acute inhalation toxicity	LC50 (Rat) 64,000ppm, Exposure time 4 h, Test atmosphere vapor		
	LC50 (Rat) 145,000ppm, Exposure time 1 h, Test atmosphere dust / mist		
Acute dermal toxicity	LDLo 393mg/kg		
chloroform			
Acute oral toxicity	LD50 (Rat) 440mg/kg		
Acute inhalation toxicity	LC50 (Rat) 9,770ppm, Exposure time 4 h, Test atmosphere vapor		
	Test atmosphere vapor		
Acute dermal toxicity	LD0 (Rabbit) 3,980mg/kg		
propane-1,2-diol			
Acute oral toxicity	LD50 (Rat) 22,000mg/kg		
Acute dermal toxicity	LD50 (Rat) 22,000mg/kg		
	LD50 (Rabbit) 20,800mg/kg		
N,N-dimethylpyridin-4-amine			
Acute oral toxicity	LD50 (Rat) 250mg/kg		
	The component/mixture is toxic after single ingestion.		
sulphur dioxide			
Acute inhalation toxicity	LC50 (Rat) 593 - 1319ppm, Exposure time 4 h, Test atmosphere gas		
iodine			
Acute oral toxicity	LD50 (Rat) 14,000mg/kg		
Acute inhalation toxicity	LC50 (Rat) >4.588mg/L, Exposure time 4 h, Test atmosphere dust / mist		
	LCLo (Rat) 800mg/m ³ , Exposure time 1h, Test atmosphere vapor		



Acute dermal toxicity	LD50 (Rabbit) 1,450 mg/kg
ethanol	
Acute oral toxicity	LD50 (Rat) 15,010mg/kg
Acute inhalation toxicity	LC50 (Rat) 124.7mg/L, Exposure time 4 h, Test atmosphere vapor
Acute dermal toxicity	LDLo (Rabbit) 20,000mg/kg
Skin corrosion/irritation	Causes skin irritation.
Product	Extremely corrosive and destructive to tissue.
chloroform	Skin irritation
iodine	Skin irritation
Serious eye damage/eye irritation	Causes serious eye damage.
Product	May cause irreversible eye damage.
methanol	Causes eye irritation.
chloroform	Causes serious eye irritation.
sulphur dioxide	Causes serious eye irritation.
iodine	Causes serious eye irritation.
ethanol	Causes serious eye irritation.
Respiratory or skin sensitization	
Skin sensitization	May cause an allergic skin reaction.
Respiratory sensitization	Not classified based on available information.
Product	Causes sensitization.
iodine	Probability or evidence of skin sensitization in humans
Germ cell mutagenicity	Suspected of causing genetic defects.
chloroform	Suspected of inducing heritable mutations in the germ cells of humans.
Carcinogenicity	Suspected of causing cancer.
chloroform	Suspected human carcinogens
Reproductive toxicity	May damage fertility or the unborn child.
methanol	Presumed human reproductive toxicant
chloroform	Suspected human reproductive toxicant
iodine	Suspected human reproductive toxicant
STOT-single exposure	May cause drowsiness or dizziness. Causes damage to organs (Systemic
	toxicity, Central nervous system, Visual organs, Kidney, Liver, respiratory system,
	Cardiovascular system).
	May cause damage to organs (Respiratory organs).
methanol	Target Organs Systemic toxicity, Central nervous system, Visual organs
	The substance or mixture is classified as specific target organ toxicant, single
	exposure, category 1.
	The substance or mixture is classified as specific target organ toxicant, single
	exposure, category 3 with narcotic effects.



chloroform	Target Organs Liver, Respiratory organs, Kidney, Cardio-vascular system		
	The substance or mixture is classified as specific target organ toxicant, single		
	exposure, category 1.		
	The substance or mixture is classified as specific target organ toxicant, single		
	exposure, category 3 with narcotic effects.		
propane-1,2-diol	Target Organs Systemic toxicity, Central nervous system		
	The substance or mixture is classified as specific target organ toxicant, single		
	exposure, category 1.		
	The substance or mixture is classified as specific target organ toxicant, single		
	exposure, category 3 with respiratory tract irritation.		
sulphur dioxide	Target Organs Respiratory organs		
	The substance or mixture is classified as specific target organ toxicant, single		
	exposure, category 1.		
iodine	Target Organs Respiratory organs		
	The substance or mixture is classified as specific target organ toxicant, single		
	exposure, category 1.		
ethanol	The substance or mixture is classified as specific target organ toxicant, single		
	exposure, category 3 with respiratory tract irritation.		
	The substance or mixture is classified as specific target organ toxicant, single		
	exposure, category 3 with narcotic effects.		
STOT-repeated exposure	Causes damage to organs (Central nervous system, Visual organs, Kidney,		
	Liver, respiratory system) through prolonged or repeated exposure. May cause		
	damage to organs (Thyroid gland, respiratory tract system) through prolonged or		
	repeated exposure.		
methanol	Target Organs Central nervous system, Visual organs		
	The substance or mixture is classified as specific target organ toxicant, repeated		
	exposure, category 1.		
chloroform	Target Organs Liver, Respiratory organs, Kidney, Central nervous system		
	The substance or mixture is classified as specific target organ toxicant, repeated		
	exposure, category 1.		
sulphur dioxide	Target Organs Respiratory organs		
	The substance or mixture is classified as specific target organ toxicant, repeated		
	exposure, category 1.		
iodine	Target Organs Thyroid		
	The substance or mixture is classified as specific target organ toxicant, repeated		
	exposure, category 1.		
Aspiration toxicity	Not classified based on available information.		
Remarks	Symptoms of overexposure may be headache, dizziness, tiredness,		



nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

12. Ecological information

Ecotoxicity

-	
methanol	
Toxicity to fish	LC50 (Lepomis macrochirus (Bluegill sunfish)) 15,400 mg/L, Exposure time 96 h
Toxicity to daphnia and	EC50 (Daphnia magna (Water flea)) > 10,000 mg/L, Exposure time 48 h
other aquatic invertebrates	
Toxicity to algae/aquatic	EC50 (Chaetoceros calcitrans) > 10,000 - < 20,000 mg/L, Exposure time 96 h
plants	NOEC (Skeletonema costatum (marine diatom)) 1,400mg/L, End point Growth inhibition, Exposure time 96 h
Toxicity to fish (Chronic	NOEC (Oreochromis mossambicus) 23.75 mg/L, End point Growth inhibition
toxicity)	Exposure time 90 Days
chloroform	
Toxicity to algae/aquatic	EC50 (Chlamydomonas reinhardtii (green algae)) 13.3 mg/L, Exposure time 72 h
plants	
Toxicity to fish (Chronic	NOEC (Oncorhynchus mykiss (rainbow trout)) 0.059 mg/L, Exposure time 28 Days
toxicity)	
M-Factor (Chronic aquatic	1
toxicity)	
propane-1,2-diol	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) 51,600 mg/L, Exposure time 96 h
	(OECD Test Guideline 203), GLP yes
Toxicity to daphnia and	EC50 (Daphnia magna (Water flea)) 43,500 mg/L, End point immobilization,
other aquatic invertebrates	Exposure time 96 h (OECD Test Guideline 203), GLP yes
Toxicity to algae/aquatic	EC50 (Skeletonema costatum (marine diatom)) 19,100 mg/L, End point Growth
plants	inhibition, Exposure time 96 h (OECD Test Guideline 201), GLP yes
Toxicity to fish (Chronic	NOEC (Oryzias latipes (Japanese medaka)) 100 mg/L, End point mortality,
toxicity)	Exposure time 21 Days (OECD Test Guideline 204), GLP yes
Toxicity to daphnia and	NOEC (Daphnia magna (Water flea)) 1,000 mg/L, End point Reproductive inhibition,
other aquatic invertebrates	Exposure time 21 Days (OECD Test Guideline 211), GLP yes
(Chronic toxicity)	
iodine	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) 0.53 mg/L, Exposure time 96 h



Toxicity to daphnia and	EC50 (Daphnia magna (Water flea)) 0.16 mg/L, Exposure time 48 h
other aquatic invertebrates	
M-Factor (Acute aquatic	1
toxicity)	
ethanol	
Toxicity to fish	LC50 (Oncorhynchus mykiss (rainbow trout)) 13,000 mg/L, Exposure time 96 h
Toxicity to daphnia and	EC50 (Daphnia magna (Water flea)) 12,340 mg/L, End point mortality, Exposure
other aquatic invertebrates	time 48 h
Toxicity to algae/aquatic	EC50 (Lemna minor (duckweed)) 3,690 mg/L, End point Growth inhibition,
plants	Exposure time 7 Days
	NOEC (Lemna gibba (gibbous duckweed)) 280 mg/L, End point Growth inhibition
	Exposure time 7 Days
Toxicity to fish (Chronic	NOEC (Ceriodaphnia dubia (Water flea)) 9.6 mg/L, End point Reproductive
toxicity)	inhibition, Exposure time 10 Days
Persistence and degradability	
methanol	Biochemical oxygen demand rapidly biodegradable, Biodegradation 92 %,
	Exposure time 14 d
chloroform	Biochemical oxygen demand Not rapidly biodegradable, Biodegradation 0 %,
	Exposure time 14 d
propane-1,2-diol	Inoculum: activated sludge, Concentration: 100 parts per million
	Biochemical oxygen demand rapidly biodegradable, Biodegradation 90 %,
	Exposure time 4 Weeks
ethanol	Biochemical oxygen demand rapidly biodegradable, Biodegradation 89 %
Bioaccumulative potential	
methanol	Species Cyprinus carpio (Carp), Bioconcentration factor (BCF) < 10, Exposure time:
	72 h
	Partition coefficient: n-octanol/water log Pow = - 0.77
chloroform	Partition coefficient: n-octanol/water log Pow = 1.97
propane-1,2-diol	Partition coefficient: n-octanol/water log Pow = - 0.92
N,N-dimethylpyridin-4-amine	Partition coefficient: n-octanol/water log Pow = 1.34
iodine	Partition coefficient: n-octanol/water log Pow = - 2.49
ethanol	Partition coefficient: n-octanol/water log Pow = - 0.31
Mobility in soil	No data available
Hazardous to the ozone	Not applicable
layer	
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or
	disposal. Harmful to aquatic life. Very toxic to aquatic life with long lasting effects.



13. Disposal considerations

Waste from	Can be incinerated, when in compliance with local regulations.
residues	Send to a licensed waste management company.
Contaminated	Empty remaining contents.
packaging	Dispose of as unused product.
	Do not re-use empty containers.

14. Transport information

International Regulations

IATA-DGR		
UN / ID No.	UN1993	
Proper shipping name	Flammable liquid, n.o.s.	
	(Methanol, solution)	
Class	3	
Packing group	П	
Labels	Flammable Liquids	
Packing instruction (cargo aircraft)	364	
Packing instruction (passenger	353	
aircraft)		
IMDG-Code		
UN No.	UN1993	
Proper shipping name	FLAMMABLE LIQUID, N.O.S.	
	(Methanol, solution)	
Class	3	
Packing group	П	
Labels	3	
EmS Code	F-E, S-E	
Marine pollutant	no	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code		

	Not applicable for product as supplied.
Domestic regulation	Please refer to the law and local regulations, etc. in each country
Special precautions for user	The transport classification(s) provided herein are for informational
	purposes only, and solely based upon the properties of the unpackaged
	material as it is described within this Safety Data Sheet. Transportation
	classifications may vary by mode of transportation, package sizes, and
	variations in regional or country regulations.



15. Regulatory information

16. Other information

Citations/References

NITE-Gmiccs (National Institute of Technology and Evaluation) NITE-CHRIP (National Institute of Technology and Evaluation) Workplace Safety Site (Ministry of Health, Labor and Welfare) SDS from various upstream manufacturers

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.