

1 Identification

- **Product identifier**
- **Trade name:** QCO-006
- **Application of the substance / the mixture** For Laboratory Use Only
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 NSI Lab Solutions
 7212 ACC Blvd.,
 Raleigh, NC 27617
 USA
- **Information department:** Product safety department
- **Emergency telephone number:** During normal opening times: +1 (919) 789-3000

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapor.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02



GHS07

- **Signal word** Danger
- **Hazard-determining components of labeling:**
acetone
- **Hazard statements**
 Highly flammable liquid and vapor.
 Causes serious eye irritation.
 May cause drowsiness or dizziness.
- **Precautionary statements**
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Ground/bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Wash thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves/protective clothing/eye protection/face protection.

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If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center/doctor if you feel unwell.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

67-64-1	acetone	99-100%
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· **Non-hazardous components**

131-11-3	dimethyl phthalate	0.0017-0.007%
84-74-2	dibutyl phthalate	0.0014-0.0058%
117-84-0	dioctyl phthalate	0.0013-0.0055%
84-66-2	diethyl phthalate	0.001-0.0043%
103-23-1	Di-(2-ethylhexyl) adipate	0.0016-0.0036%
85-68-7	BBP	0.0008-0.0034%
91-20-3	naphthalene	0.0009-0.0021%
117-81-7	bis(2-ethylhexyl) phthalate	0.0006-0.0021%
208-96-8	acenaphthylene	0.0004-0.0013%
129-00-0	pyrene	0.0004-0.0012%
83-32-9	acenaphthene	0.0003-0.0011%
56-55-3	benz[a]anthracene	0.0003-0.001%
86-73-7	fluorene	0.0003-0.001%

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91-57-6	2-methylnaphthalene	0.0002–0.0009%
191-24-2	benzo[ghi]perylene	0.0002–0.0007%
207-08-9	benzo[k]fluoranthene	0.0002–0.0007%
206-44-0	fluoranthene	0.0001–0.0006%
85-01-8	phenanthrene, pure	0.0001–0.0005%
90-12-0	1-methylnaphthalene	0.0001–0.0005%
193-39-5	indeno[1,2,3-cd]pyrene	0.0001–0.0005%
50-32-8	benzo[a]pyrene	0.0001–0.0003%
53-70-3	dibenz[a,h]anthracene	0.0001–0.0003%
205-99-2	benz[e]acephenanthrylene	0.0001–0.0003%
218-01-9	chrysene	0.0001–0.0003%

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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· Protective Action Criteria for Chemicals

· PAC-1:		
67-64-1	acetone	200 ppm
131-11-3	dimethyl phthalate	15 mg/m ³
84-74-2	dibutyl phthalate	15 mg/m ³
117-84-0	dioctyl phthalate	41 mg/m ³
84-66-2	diethyl phthalate	15 mg/m ³
103-23-1	Di-(2-ethylhexyl) adipate	17 mg/m ³
85-68-7	BBP	15 mg/m ³
91-20-3	naphthalene	15 ppm
117-81-7	bis(2-ethylhexyl) phthalate	10 mg/m ³
208-96-8	acenaphthylene	10 mg/m ³
129-00-0	pyrene	0.15 mg/m ³
83-32-9	acenaphthene	3.6 mg/m ³
56-55-3	benz[a]anthracene	0.6 mg/m ³
86-73-7	fluorene	6.6 mg/m ³
91-57-6	2-methylnaphthalene	9 mg/m ³
191-24-2	benzo[ghi]perylene	30 mg/m ³
206-44-0	fluoranthene	8.2 mg/m ³
85-01-8	phenanthrene, pure	5.4 mg/m ³
90-12-0	1-methylnaphthalene	20 mg/m ³
193-39-5	indeno[1,2,3-cd]pyrene	1.2 mg/m ³
50-32-8	benzo[a]pyrene	0.6 mg/m ³
53-70-3	dibenz[a,h]anthracene	0.093 mg/m ³
205-99-2	benz[e]acephenanthrylene	0.12 mg/m ³
218-01-9	chrysene	0.6 mg/m ³
· PAC-2:		
67-64-1	acetone	3200* ppm
131-11-3	dimethyl phthalate	1,600 mg/m ³
84-74-2	dibutyl phthalate	1,600 mg/m ³
117-84-0	dioctyl phthalate	450 mg/m ³
84-66-2	diethyl phthalate	300 mg/m ³
103-23-1	Di-(2-ethylhexyl) adipate	180 mg/m ³
85-68-7	BBP	77 mg/m ³
91-20-3	naphthalene	83 ppm
117-81-7	bis(2-ethylhexyl) phthalate	1,000 mg/m ³
208-96-8	acenaphthylene	110 mg/m ³
129-00-0	pyrene	1.7 mg/m ³
83-32-9	acenaphthene	40 mg/m ³
56-55-3	benz[a]anthracene	120 mg/m ³
86-73-7	fluorene	72 mg/m ³
91-57-6	2-methylnaphthalene	54 mg/m ³
191-24-2	benzo[ghi]perylene	330 mg/m ³

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206-44-0	fluoranthene	90 mg/m ³
85-01-8	phenanthrene, pure	59 mg/m ³
90-12-0	1-methylnaphthalene	61 mg/m ³
193-39-5	indeno[1,2,3-cd]pyrene	13 mg/m ³
50-32-8	benzo[a]pyrene	120 mg/m ³
53-70-3	dibenz[a,h]anthracene	1 mg/m ³
205-99-2	benz[e]acephenanthrylene	1.3 mg/m ³
218-01-9	chrysene	12 mg/m ³
· PAC-3:		
67-64-1	acetone	5700* ppm
131-11-3	dimethyl phthalate	9300* mg/m ³
84-74-2	dibutyl phthalate	9300* mg/m ³
117-84-0	dioctyl phthalate	11000* mg/m ³
84-66-2	diethyl phthalate	1,800 mg/m ³
103-23-1	Di-(2-ethylhexyl) adipate	1,100 mg/m ³
85-68-7	BBP	460 mg/m ³
91-20-3	naphthalene	500 ppm
117-81-7	bis(2-ethylhexyl) phthalate	6,100 mg/m ³
208-96-8	acenaphthylene	660 mg/m ³
129-00-0	pyrene	110 mg/m ³
83-32-9	acenaphthene	240 mg/m ³
56-55-3	benz[a]anthracene	700 mg/m ³
86-73-7	fluorene	430 mg/m ³
91-57-6	2-methylnaphthalene	320 mg/m ³
191-24-2	benzo[ghi]perylene	2,000 mg/m ³
206-44-0	fluoranthene	400 mg/m ³
85-01-8	phenanthrene, pure	360 mg/m ³
90-12-0	1-methylnaphthalene	360 mg/m ³
193-39-5	indeno[1,2,3-cd]pyrene	79 mg/m ³
50-32-8	benzo[a]pyrene	700 mg/m ³
53-70-3	dibenz[a,h]anthracene	2.9 mg/m ³
205-99-2	benz[e]acephenanthrylene	7.9 mg/m ³
218-01-9	chrysene	69 mg/m ³

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

67-64-1 acetone

PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 500 ppm Long-term value: 250 ppm A4, BEI

- **Ingredients with biological limit values:**

67-64-1 acetone

BEI	25 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Color:	Colorless
Odor:	Characteristic
Odor threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range:	-94.7 °C (-138.5 °F)
Boiling point/Boiling range:	55.8–56.6 °C (132.4–133.9 °F)

- **Flash point:** -17 °C (1.4 °F)

- **Flammability (solid, gaseous):** Highly flammable.

- **Ignition temperature:** 465 °C (869 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- **Explosion limits:**

Lower:	2.6 Vol %
Upper:	13 Vol %

- **Vapor pressure at 20 °C (68 °F):** 233 hPa (174.8 mm Hg)

- **Density at 20 °C (68 °F):** 0.79 g/cm³ (6.59255 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

- **Evaporation rate** Not determined.

- **Solubility in / Miscibility with**

Water: Fully miscible.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

Dynamic at 20 °C (68 °F): 32 mPas

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Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	99–100 %
VOC content:	0.00 % 0.0 g/l / 0.00 lb/gal
Solids content:	0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
67-64-1 acetone		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
103-23-1	Di-(2-ethylhexyl) adipate	3
85-68-7	BBP	3
91-20-3	naphthalene	2B
117-81-7	bis(2-ethylhexyl) phthalate	2B
129-00-0	pyrene	3
83-32-9	acenaphthene	3
56-55-3	benz[a]anthracene	2B
86-73-7	fluorene	3
191-24-2	benzo[ghi]perylene	3
207-08-9	benzo[k]fluoranthene	2B

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206-44-0	fluoranthene	3
85-01-8	phenanthrene, pure	3
193-39-5	indeno[1,2,3-cd]pyrene	2B
50-32-8	benzo[a]pyrene	1
53-70-3	dibenz[a,h]anthracene	2A
205-99-2	benz[e]acephenanthrylene	2B
218-01-9	chrysene	2B

· **NTP (National Toxicology Program)**

91-20-3	naphthalene	R
117-81-7	bis(2-ethylhexyl) phthalate	R
129-00-0	pyrene	R
56-55-3	benz[a]anthracene	R
86-73-7	fluorene	R
207-08-9	benzo[k]fluoranthene	R
206-44-0	fluoranthene	R
85-01-8	phenanthrene, pure	R
193-39-5	indeno[1,2,3-cd]pyrene	R
50-32-8	benzo[a]pyrene	R
53-70-3	dibenz[a,h]anthracene	R
205-99-2	benz[e]acephenanthrylene	R
218-01-9	chrysene	R

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 Water hazard class 1 (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number · DOT, IMDG, IATA	UN1993
· UN proper shipping name · DOT · IMDG · IATA	Flammable liquids, n.o.s. (Acetone) FLAMMABLE LIQUID, N.O.S. (ACETONE) Flammable liquid, n.o.s. (ACETONE)
· Transport hazard class(es) · DOT	
	
· Class · Label	3 Flammable liquids 3
· IMDG, IATA	
	
· Class · Label	3 Flammable liquids 3
· Packing group · DOT, IMDG, IATA	II
· Environmental hazards:	Not applicable.
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Flammable liquids 33 F-E, S-E B
· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
· Transport/Additional information: · DOT · Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml

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· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (ACETONE), 3, II
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15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

· **Sara**

· Section 355 (extremely hazardous substances):	
129-00-0	pyrene

· Section 313 (Specific toxic chemical listings):	
131-11-3	dimethyl phthalate
84-74-2	dibutyl phthalate
91-20-3	naphthalene
117-81-7	bis(2-ethylhexyl) phthalate
56-55-3	benz[a]anthracene
191-24-2	benzo[ghi]perylene
207-08-9	benzo[k]fluoranthene
206-44-0	fluoranthene
85-01-8	phenanthrene, pure
193-39-5	indeno[1,2,3-cd]pyrene
50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
205-99-2	benz[e]acephenanthrylene
218-01-9	chrysene

· TSCA (Toxic Substances Control Act):		
67-64-1	acetone	ACTIVE
131-11-3	dimethyl phthalate	ACTIVE
84-74-2	dibutyl phthalate	ACTIVE
117-84-0	dioctyl phthalate	ACTIVE
84-66-2	diethyl phthalate	ACTIVE
103-23-1	Di-(2-ethylhexyl) adipate	ACTIVE
85-68-7	BBP	ACTIVE
91-20-3	naphthalene	ACTIVE
117-81-7	bis(2-ethylhexyl) phthalate	ACTIVE
208-96-8	acenaphthylene	ACTIVE
129-00-0	pyrene	ACTIVE
83-32-9	acenaphthene	ACTIVE
56-55-3	benz[a]anthracene	ACTIVE
86-73-7	fluorene	ACTIVE
91-57-6	2-methylnaphthalene	ACTIVE
206-44-0	fluoranthene	ACTIVE
85-01-8	phenanthrene, pure	ACTIVE

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90-12-0	1-methylnaphthalene	ACTIVE
193-39-5	indeno[1,2,3-cd]pyrene	ACTIVE
50-32-8	benzo[a]pyrene	ACTIVE
53-70-3	dibenz[a,h]anthracene	ACTIVE
218-01-9	chrysene	ACTIVE

· Hazardous Air Pollutants

131-11-3	dimethyl phthalate
84-74-2	dibutyl phthalate
91-20-3	naphthalene
117-81-7	bis(2-ethylhexyl) phthalate
129-00-0	pyrene
56-55-3	benz[a]anthracene
86-73-7	fluorene
207-08-9	benzo[k]fluoranthene
206-44-0	fluoranthene
85-01-8	phenanthrene, pure
193-39-5	indeno[1,2,3-cd]pyrene
50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
205-99-2	benz[e]acephenanthrylene
218-01-9	chrysene

· Proposition 65**· Chemicals known to cause cancer:**

91-20-3	naphthalene
117-81-7	bis(2-ethylhexyl) phthalate
56-55-3	benz[a]anthracene
207-08-9	benzo[k]fluoranthene
193-39-5	indeno[1,2,3-cd]pyrene
50-32-8	benzo[a]pyrene
53-70-3	dibenz[a,h]anthracene
205-99-2	benz[e]acephenanthrylene
218-01-9	chrysene

· Chemicals known to cause reproductive toxicity for females:

84-74-2	dibutyl phthalate
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· Chemicals known to cause reproductive toxicity for males:

84-74-2	dibutyl phthalate
117-81-7	bis(2-ethylhexyl) phthalate

· Chemicals known to cause developmental toxicity:

84-74-2	dibutyl phthalate
85-68-7	BBP
117-81-7	bis(2-ethylhexyl) phthalate

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· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

67-64-1	acetone	I
131-11-3	dimethyl phthalate	D
84-74-2	dibutyl phthalate	D
84-66-2	diethyl phthalate	D
103-23-1	Di-(2-ethylhexyl) adipate	C
85-68-7	BBP	C
91-20-3	naphthalene	C, CBD
117-81-7	bis(2-ethylhexyl) phthalate	B2
208-96-8	acenaphthylene	D
129-00-0	pyrene	D
83-32-9	acenaphthene	A
56-55-3	benz[a]anthracene	B2
86-73-7	fluorene	D
91-57-6	2-methylnaphthalene	I
191-24-2	benzo[ghi]perylene	D
207-08-9	benzo[k]fluoranthene	B2
206-44-0	fluoranthene	D
85-01-8	phenanthrene, pure	D
193-39-5	indeno[1,2,3-cd]pyrene	B2
50-32-8	benzo[a]pyrene	CaH
53-70-3	dibenz[a,h]anthracene	B2
205-99-2	benz[e]acephenanthrylene	B2
218-01-9	chrysene	B2

· **TLV (Threshold Limit Value)**

67-64-1	acetone	A4
84-66-2	diethyl phthalate	A4
91-20-3	naphthalene	A4
117-81-7	bis(2-ethylhexyl) phthalate	A3
56-55-3	benz[a]anthracene	A2
91-57-6	2-methylnaphthalene	A4
90-12-0	1-methylnaphthalene	A4
50-32-8	benzo[a]pyrene	A2
205-99-2	benz[e]acephenanthrylene	A2
218-01-9	chrysene	A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

117-81-7	bis(2-ethylhexyl) phthalate
50-32-8	benzo[a]pyrene
218-01-9	chrysene

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

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· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labeling:***acetone*· **Hazard statements***Highly flammable liquid and vapor.**Causes serious eye irritation.**May cause drowsiness or dizziness.*· **Precautionary statements***Keep away from heat/sparks/open flames/hot surfaces. - No smoking.**Ground/bond container and receiving equipment.**Use explosion-proof electrical/ventilating/lighting/equipment.**Use only non-sparking tools.**Take precautionary measures against static discharge.**Avoid breathing dust/fume/gas/mist/vapors/spray**Wash thoroughly after handling.**Use only outdoors or in a well-ventilated area.**Wear protective gloves/protective clothing/eye protection/face protection.**If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.**IF INHALED: Remove person to fresh air and keep comfortable for breathing.**If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**Call a poison center/doctor if you feel unwell.**If eye irritation persists: Get medical advice/attention.**In case of fire: Use CO2, powder or water spray to extinguish.**Store in a well-ventilated place. Keep container tightly closed.**Store in a well-ventilated place. Keep cool.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** *Environment protection department.*· **Contact:** *- Department Technical Manager*· **Date of preparation / last revision** *04/02/2024*· **Abbreviations and acronyms:***IMDG: International Maritime Code for Dangerous Goods**DOT: US Department of Transportation**IATA: International Air Transport Association**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**HMIS: Hazardous Materials Identification System (USA)**VOC: Volatile Organic Compounds (USA, EU)**LC50: Lethal concentration, 50 percent*

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*LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**NIOSH: National Institute for Occupational Safety**OSHA: Occupational Safety & Health**TLV: Threshold Limit Value**PEL: Permissible Exposure Limit**REL: Recommended Exposure Limit**BEI: Biological Exposure Limit**Flammable Liquids 2: Flammable liquids – Category 2**Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A**Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3*

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