

	SAFETY DATA SHEET Page: 1 BLUE GEE POLYESTER RESIN AROPOL™ M 105 TA
	Revision Date: 08.05.2018 Print Date: 09.05.2018 SDS Number: R0401425 Version: 2.0
Aropol™ M 105 TA RESIN ™ Trademark, Ashland or its subsidiaries, registered in various countries 572863	

Conforms to EU Regulation 1907/2006/EC as amended. - SDSGHS_GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Aropol™ M 105 TA
RESIN
™ Trademark, Ashland or its subsidiaries, registered in
various countries

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

Recommended use : Reserved for industrial and professional use.

Restrictions on use Consumer use

1.3 Details of the supplier of the safety data sheet

Ashland
P.O. Box 8619
NL3009 AP, Rotterdam
Netherlands
+31 10 497 5000 (in the Netherlands), or
contact your local CSR contact person

EUSMT@ashland.com

1.4 Emergency telephone number

00-800-274-5263-3/001-859-357-3564, or contact
your local emergency telephone number at 111 -
ENG, SCO, CYM and 0808 808 8000 - NIE (Mo -
Fr, 08.00 - 18.00)

Product Information

+31 10 497 5000 (in the Netherlands), or contact
your local CSR contact person

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.



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Specific target organ toxicity - single exposure, Category 3, Respiratory system

H335: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure, Category 1, Auditory organs

H372: Causes damage to organs through prolonged or repeated exposure if inhaled.

Chronic aquatic toxicity, Category 3

H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs (Auditory organs) through prolonged or repeated exposure if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements :

Prevention:	
P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:	
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.



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Hazardous components which must be listed on the label:

Styrene

Precautionary statements : Keep dust/air mixtures away from ignition sources.

Additional Labelling:

EUH208 Contains Cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

2.3 Other hazards

Additional advice

No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Static Accumulator

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
Styrene	100-42-5 202-851-5 01-2119457861-32-0185 01-2119457861-32-xxxx	Flam. Liq.3; H226 Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 Repr.2; H361d STOT SE3; H335 STOT RE1; H372 Asp. Tox.1; H304 Aquatic Chronic3; H412	>= 40,00 - < 50,00
N,N-Diethylaniline	91-66-7 202-088-8	Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 STOT RE2; H373 Aquatic Chronic2; H411	>= 0,10 - < 0,25
Cobalt bis(2-ethylhexanoate)	136-52-7 205-250-6	Eye Irrit.2; H319 Skin Sens.1A; H317 Repr.2; H361 Aquatic Acute1;	>= 0,00 - < 0,10



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		H400 Aquatic Chronic3; H412	
2-Methylhydroquinone	95-71-6 202-443-7	Acute Tox.4; H302 Skin Irrit.2; H315 Eye Irrit.2; H319 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,00 - < 0,10

Substances with a workplace exposure limit :

Amorphous colloidal silica	112945-52-5 231-545-4 01-2119379499-16-0161		>= 1,00 - < 2,50
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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Call a POISON CENTRE or doctor/physician if exposed or you feel unwell.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : Move to fresh air.
IF INHALED: Call a POISON CENTER/ doctor if you feel unwell.
Keep patient warm and at rest.
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : Remove contaminated clothing. If irritation develops, get medical attention.
If on skin, rinse well with water.
Wash contaminated clothing before re-use.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.



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If swallowed : Obtain medical attention.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No symptoms known or expected.

Risks : Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
Suspected of damaging the unborn child.
Causes damage to organs through prolonged or repeated exposure if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water spray
Foam
Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Organic dusts at sufficient concentration can form explosive mixtures in air.
Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.
Beware of vapours accumulating to form explosive



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concentrations. Vapours can accumulate in low areas.
Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Hydrocarbons
carbon dioxide and carbon monoxide

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing methods : Product is compatible with standard fire-fighting agents.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Use a water spray to cool fully closed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Evacuate personnel to safe areas.
Remove all sources of ignition.
Use personal protective equipment.
Ensure adequate ventilation.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Comply with all applicable federal, state, and local regulations.
Suppress (knock down) gases/vapours/mists with a water spray jet.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.



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6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

For further information see Section 8 and Section 13 of the safety data sheet.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Open drum carefully as content may be under pressure.
 Avoid formation of aerosol.
 Provide sufficient air exchange and/or exhaust in work rooms.
 Do not breathe vapours/dust.
 Do not smoke.
 Container hazardous when empty.
 Take precautionary measures against static discharges.
 Avoid exposure - obtain special instructions before use.
 Avoid contact with skin and eyes.
 Smoking, eating and drinking should be prohibited in the application area.
 For personal protection see section 8.
 Dispose of rinse water in accordance with local and national regulations.
 Secondary operations, such as grinding and sanding, may produce dust.
 Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards.

Advice on protection against fire and explosion : Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). No sparking tools should be used. Keep away from open flames, hot surfaces and sources of ignition. Use only explosion-proof equipment.

Hygiene measures : Wash hands before breaks and at the end of workday. When using do not eat or drink. When using do not smoke.



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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. No smoking.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Styrene	100-42-5	TWA	100 ppm 430 mg/m ³	GB EH40
		STEL	250 ppm 1.080 mg/m ³	GB EH40
Amorphous colloidal silica	112945-52-5	TWA (inhalable dust)	6 mg/m ³ inhalable dust (Silica)	GB EH40
		TWA (Respirable dust)	2,4 mg/m ³ Respirable dust (Silica)	GB EH40
Cobalt bis(2-ethylhexanoate)	136-52-7	TWA	0,1 mg/m ³ (Cobalt)	GB EH40

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Styrene : End Use: **Workers**
Exposure routes: **Inhalation**
Potential health effects: **Short-term exposure, Systemic effects**
Value: **289 mg/m³**
End Use: **Workers**
Exposure routes: **Inhalation**
Potential health effects: **Short-term exposure, Local effects**
Value: **306 mg/m³**



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End Use: **Workers**
 Exposure routes: **Inhalation**
 Potential health effects: **Long-term exposure, Systemic effects**
 Value: **85 mg/m3**

End Use: **Workers**
 Exposure routes: **Skin contact**
 Potential health effects: **Long-term exposure, Systemic effects**
 Value: **406 mg/kg**

End Use: **Consumers**
 Exposure routes: **Inhalation**
 Potential health effects: **Short-term exposure, Systemic effects**
 Value: **174,25 mg/m3**

End Use: **Consumers**
 Exposure routes: **Inhalation**
 Potential health effects: **Short-term exposure, Local effects**
 Value: **182,75 mg/m3**

End Use: **Consumers**
 Exposure routes: **Skin contact**
 Potential health effects: **Long-term exposure, Systemic effects**
 Value: **343 mg/kg**

End Use: **Consumers**
 Exposure routes: **Ingestion**
 Potential health effects: **Long-term exposure, Systemic effects**
 Value: **2,1 mg/kg**

End Use: **Consumers**
 Exposure routes: **Inhalation**
 Potential health effects: **Long-term exposure, Systemic effects**
 Value: **10,2 mg/m3**

8.2 Exposure controls

Engineering measures

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Provide appropriate exhaust ventilation at places where dust is formed.

Personal protective equipment

Eye protection : Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Use eye protection according to EN 166.

Hand protection

Remarks : Polyvinyl alcohol or nitrile- butyl-rubber gloves



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The suitability for a specific workplace should be discussed
 with the producers of the protective gloves.

Skin and body protection : Wear as appropriate:
 Impervious clothing
 Safety shoes
 Flame-resistant clothing
 Choose body protection according to the amount and
 concentration of the dangerous substance at the work place.
 Discard gloves that show tears, pinholes, or signs of wear.

Protective clothing complying with EN 13688.
 Safety shoes complying with EN ISO 20345.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Odour : pungent

Odour Threshold : No data available

pH :
 No data available

Melting point/freezing point : No data available

Boiling point/boiling range : 145 °C
 Calculated Phase Transition Liquid/Gas

Flash point : 29 °C

Method: Seta closed cup
 Other information: Static Accumulating liquid

Evaporation rate : 1
 Ethyl Ether = 1

Flammability (solid, gas) : May form combustible dust concentrations in air (during
 processing).



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Upper explosion limit	: 6,1 %(V) GLP: Calculated Explosive Limit
Lower explosion limit	: 1,1 %(V) GLP: Calculated Explosive Limit
Vapour pressure	: 8,53248 hPa (25 °C) Calculated Vapor Pressure
Relative vapour density	: > 1 (Air = 1.0)
Relative density	: No data available
Density	: 0,995 g/cm ³
Solubility(ies)	
Water solubility	: dispersible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: > 20,5 mm ² /s (40 °C)
Flow time	: > 0,011 h Method: ISO 2431
Oxidizing properties	: No data available

9.2 Other information

No data available



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SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerisation may occur.
 Vapours may form explosive mixture with air.
 This product does not present a dust explosion hazard as delivered. However, fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source, is a potential dust explosion hazard.

10.4 Conditions to avoid

Conditions to avoid : Exposure to air.
 Exposure to sunlight.
 Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Acids
 aluminum
 aluminum chloride
 Bases
 Copper
 Copper alloys
 halogens
 iron chloride
 metal salts
 Strong oxidizing agents
 Peroxides

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.



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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information on likely routes of exposure :

- Inhalation
- Skin contact
- Eye Contact
- Ingestion

Acute toxicity

Not classified based on available information.

Components:

Styrene

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): 11,8 mg/l, 2770 ppm
Exposure time: 4 h
Test atmosphere: vapour

No observed adverse effect level (Humans): 100 ppm
Exposure time: 7 h
Test atmosphere: vapour

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Components:

N,N-Diethylaniline

Acute oral toxicity : LD50 (Rat): 606 mg/kg
Assessment: The component/mixture is classified as acute oral toxicity, category 3.

Acute inhalation toxicity : LC50 (Rat): 1,92 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The component/mixture is classified as acute inhalation toxicity, category 3.

Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg
Assessment: The component/mixture is classified as acute dermal toxicity, category 3.

Components:



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Cobalt bis(2-ethylhexanoate)

Acute oral toxicity : LD50 (Rat, female): ca. 3.129 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 10 mg/l
 Exposure time: 1 h
 Test atmosphere: dust/mist
 Assessment: Not classified as acutely toxic by inhalation
 under GHS.

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

Components:

2-Methylhydroquinone

Acute oral toxicity : LD50 (Mouse): > 400 mg/kg

LD50 (Rat): 754 mg/kg

Acute dermal toxicity : LD50 (Guinea pig): > 1.000 mg/kg
 Assessment: Not classified as acutely toxic by dermal
 absorption under GHS.

Components:

Amorphous colloidal silica

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg
 Assessment: Not classified as acutely toxic by dermal
 absorption under GHS.

Skin corrosion/irritation

Causes skin irritation.

Product:

Remarks: May cause skin irritation and/or dermatitis.

Result: Repeated exposure may cause skin dryness or cracking.

Components:

Styrene

Species: Rabbit

Result: Irritating to skin.

Species: human skin

Result: No skin irritation

N,N-Diethylaniline



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Species: **Rabbit**
 Result: **Slight, transient irritation**

Cobalt bis(2-ethylhexanoate)

Result: **No skin irritation**

2-Methylhydroquinone

Result: **Irritating to skin.**

Amorphous colloidal silica

Result: **No skin irritation**

Serious eye damage/eye irritation

Causes serious eye irritation.

Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin., Causes serious eye irritation.

Components:

Styrene

Result: **Irritating to eyes.**

Remarks: **Vapour during processing may be irritating to the respiratory tract and to the eyes.**

N,N-Diethylaniline

Species: **Rabbit**

Result: **Slight, transient irritation**

Cobalt bis(2-ethylhexanoate)

Species: **Rabbit**

Method: **OECD Test Guideline 405**

Result: **Irritating to eyes.**

2-Methylhydroquinone

Result: **Irritating to eyes.**

Amorphous colloidal silica

Result: **No eye irritation**

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Components:

Styrene

Exposure routes: **Skin contact**

Species: **Guinea pig**



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Assessment: **Does not cause skin sensitisation.**

Exposure routes: **inhalation (vapour)**

Species: **Humans**

Assessment: **Does not cause respiratory sensitisation.**

N,N-Diethylaniline

Species: **Guinea pig**

Assessment: **Does not cause skin sensitisation.**

Cobalt bis(2-ethylhexanoate)

Test Type: **Local lymph node assay**

Species: **Mouse**

Assessment: **The product is a skin sensitiser, sub-category 1A.**

Method: **OECD Test Guideline 429**

Remarks: **Information given is based on data obtained from similar substances.**

2-Methylhydroquinone

Exposure routes: **Dermal**

Species: **Guinea pig**

Assessment: **Does not cause skin sensitisation.**

Germ cell mutagenicity

Not classified based on available information.

Components:

N,N-Diethylaniline

Genotoxicity in vitro

: Test Type: **Ames test**

Test species: **Salmonella typhimurium**

Metabolic activation: **with and without metabolic activation**

Result: **negative**

Cobalt bis(2-ethylhexanoate)

Genotoxicity in vitro

: Test Type: **Ames test**

Result: **negative**

Genotoxicity in vivo

: Test Type: **In vivo micronucleus test**

Result: **negative**

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Suspected of damaging the unborn child.

Components:

Styrene

Reproductive toxicity -

: **Some evidence of adverse effects on development, based on**



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Assessment **animal experiments.**

Cobalt bis(2-ethylhexanoate)

Reproductive toxicity - Assessment : **Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.**

STOT - single exposure

May cause respiratory irritation.

Components:

Styrene

Assessment: **May cause respiratory irritation.**

STOT - repeated exposure

Causes damage to organs (Auditory organs) through prolonged or repeated exposure if inhaled.

Components:

Styrene

Exposure routes: **inhalation (vapour)**

Target Organs: **Auditory system**

Assessment: **Causes damage to organs through prolonged or repeated exposure.**

N,N-Diethylaniline

Target Organs: **female reproductive organs**

Assessment: **The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.**

Repeated dose toxicity

Components:

Styrene

Species: **Human**

85 mg/m³

Application Route: **inhalation (vapour)**

Species: **Human**

615 mg/kg

Application Route: **Skin contact**

Aspiration toxicity

Not classified based on available information.

Components:

Styrene

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Solvents may degrease the skin.



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SECTION 12: Ecological information

12.1 Toxicity

Components:

Styrene

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 4,02 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 4,7 mg/l Exposure time: 48 h
Toxicity to algae	: ErC50 (Pseudokirchneriella subcapitata (green algae)): 4,9 mg/l Exposure time: 72 h EC10 (Pseudokirchneriella subcapitata (green algae)): 0,28 mg/l Exposure time: 96 h
Toxicity to bacteria	: EC50 (activated sludge): ca. 500 mg/l Exposure time: 0,5 h
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 1,01 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea)
Toxicity to soil dwelling organisms	: NOEC: 34 mg/kg Exposure time: 14 d Species: Eisenia fetida (earthworms) Method: OECD Test Guideline 207

N,N-Diethylaniline

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 16,4 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 1,3 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Pseudokirchneriella subcapitata (green algae)): Calculated 3,07 mg/l



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Exposure time: **72 h**
 Test Type: **static test**

Cobalt bis(2-ethylhexanoate)

M-Factor (Acute aquatic
 toxicity) : **1**

Ecotoxicology Assessment

Acute aquatic toxicity : **Acute aquatic toxicity Category 1**

Chronic aquatic toxicity : **Chronic aquatic toxicity Category 3**

2-Methylhydroquinone

Toxicity to fish : **LC50 (Pimephales promelas (fathead minnow)): 0,09 mg/l**
 Exposure time: **96 h**

Toxicity to daphnia and other
 aquatic invertebrates : **EC50 (Daphnia magna (Water flea)): 0,19 mg/l**
 Exposure time: **48 h**

M-Factor (Acute aquatic
 toxicity) : **10**

Amorphous colloidal silica

Toxicity to fish : **LC50 (Brachydanio rerio (zebrafish)): > 10.000 mg/l**
 Exposure time: **96 h**
 Method: **OECD Test Guideline 203**

12.2 Persistence and degradability

Components:

Styrene

Biodegradability : Result: **Readily biodegradable.**
 Biodegradation: **> 60 %**
 Exposure time: **10 d**

N,N-Diethylaniline

Biodegradability : Result: **Not readily biodegradable.**
 Biodegradation: **0 %**
 Exposure time: **28 d**
 Method: **OECD Test Guideline 301D**

Cobalt bis(2-ethylhexanoate)

Biodegradability : Result: **Readily biodegradable.**
 Biodegradation: **60 %**
 Exposure time: **10 d**



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Method: OECD Test Guideline 301B

2-Methylhydroquinone

Biochemical Oxygen Demand (BOD) : 940 mg/g
 Incubation time: 5 d

Chemical Oxygen Demand (COD) : 1.970 mg/g

BOD/COD : BOD/COD: 0,48 %

Amorphous colloidal silica

Biodegradability : Result: The methods for determining biodegradability are not applicable to inorganic substances.

12.3 Bioaccumulative potential

Components:

Styrene

Bioaccumulation : Bioconcentration factor (BCF): < 100

Partition coefficient: n-octanol/water : log Pow: 2,96 (25 °C)

N,N-Diethylaniline

Partition coefficient: n-octanol/water : log Pow: 3,31

2-Methylhydroquinone

Partition coefficient: n-octanol/water : log Pow: 1,58

12.4 Mobility in soil

Components:

Styrene

Distribution among environmental compartments : Koc: 352

12.5 Results of PBT and vPvB assessment

Components:

Styrene

Assessment : This substance is not considered to be persistent,



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bioaccumulating and toxic (PBT).. This substance is not considered to be very persistent and very bioaccumulating (vPvB)..

12.6 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.
Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

SECTION 14: Transport information

14.1 UN number

ADN: UN1866

RID: UN1866

INTERNATIONAL MARITIME DANGEROUS GOODS: UN1866

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: UN1866

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: UN1866

ADR: UN1866

14.2 UN proper shipping name



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ADN: RESIN SOLUTION

RID: RESIN SOLUTION

INTERNATIONAL MARITIME DANGEROUS GOODS: Resin solution

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Resin solution

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: RESIN SOLUTION

ADR: RESIN SOLUTION

14.3 Transport hazard class(es)

ADN: 3

RID: 3

INTERNATIONAL MARITIME DANGEROUS GOODS: 3

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: 3

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: 3

ADR: 3

14.4 Packing group

ADN: III

RID: III

INTERNATIONAL MARITIME DANGEROUS GOODS: III

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: III

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: III

ADR: III

14.5 Environmental hazards

ADN: Not applicable

RID: Not applicable

INTERNATIONAL MARITIME DANGEROUS GOODS: Not applicable

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER: Not applicable

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO: Not applicable

ADR: Not applicable

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Ship Type: Not applicable

Hazard code(s): Not applicable

Pollutant Category: Not applicable



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Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15: Regulatory information

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

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
(3)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5.000 t	50.000 t

Other regulations : Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The components of this product are reported in the following inventories:

DSL : This product contains one or several components that are not



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on the Canadian DSL and have annual quantity limits.

AICS	Not in compliance with the inventory
ENCS	Not in compliance with the inventory
KECI	Not in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	Not in compliance with the inventory
TCSI	Not in compliance with the inventory
TSCA	On TSCA Inventory

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

15.2 Chemical safety assessment

No data available

SECTION 16: Other information

Further information

Revision Date: 08.05.2018

Classification procedure:

H226	Flammable liquid and vapour.	Based on product data or assessment
H315	Causes skin irritation.	Calculation method
H319	Causes serious eye irritation.	Calculation method
H361d	Suspected of damaging the unborn child.	Calculation method
H335	May cause respiratory irritation.	Calculation method
H372	Causes damage to organs through prolonged or repeated exposure if	Calculation method



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H412 inhaled.
Harmful to aquatic life with long Calculation method
lasting effects.

Full text of H-Statements

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H361 Suspected of damaging fertility or the unborn child.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure if
inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Other information : The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (+31 10 497 5000).

Sources of key data used to compile the Safety Data Sheet
Ashland internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.



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List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists
 BEI : Biological Exposure Index
 CAS : Chemical Abstracts Service (Division of the American Chemical Society).
 CMR : Carcinogenic, Mutagenic or Toxic for Reproduction
 FG : Food grade
 GHS : Globally Harmonized System of Classification and Labeling of Chemicals.
 H-statement : Hazard Statement
 IATA : International Air Transport Association.
 IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
 ICAO : International Civil Aviation Organization
 ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"
 IMDG : International Maritime Code for Dangerous Goods
 ISO : International Organization for Standardization
 logPow : octanol-water partition coefficient
 LCxx : Lethal Concentration, for xx percent of test population
 LDxx : Lethal Dose, for xx percent of test population.
 ICxx : Inhibitory Concentration for xx of a substance
 Ecxx : Effective Concentration of xx
 N.O.S.: Not Otherwise Specified
 OECD : Organization for Economic Co-operation and Development
 OEL : Occupational Exposure Limit
 P-Statement : Precautionary Statement
 PBT : Persistent , Bioaccumulative and Toxic
 PPE : Personal Protective Equipment
 STEL : Short-term exposure limit
 STOT : Specific Target Organ Toxicity
 TLV : Threshold Limit Value
 TWA : Time-weighted average
 vPvB : Very Persistent and Very Bioaccumulative
 WEL : Workplace Exposure Level

ABM : Water Hazard Class for the Netherlands
 ADR : Agreement concerning the International Carriage of Dangerous Goods by Road.
 ADN: Regulation for the Carriage of Dangerous Substances on the Rhine
 CLP : Classification, Labelling and Packaging
 CSA : Chemical Safety Assessment
 CSR : Chemical Safety Report
 DNEL : Derived No Effect Level.
 EINECS : European Inventory of Existing Commercial Chemical Substances.
 ELINCS : European List of Notified Chemical Substances
 PEC : Predicted Effect Concentration


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PEL : Permissible Exposure Limits

PNEC : Predicted No Effect Concentration

R-phrase : Risk phrase

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulation Concerning the International Transport of Dangerous Goods by Rail

S-phrase: Safety phrase

WGK : German Water Hazard Class





SAFETY DATA SHEET

**BLUE GEE | POLYESTER CATALYST
MEKP AKPEROX A50**

According to Regulation (EU) No 453/2010



Revision Date 22.01.2014
Issue Date 24.11.2009

Revision 2.0
Form No: KK.AS.02.10

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name AKPEROX A50

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

Identified uses Industrial use
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Manufacturer AKPA Kimya ve Ambalaj San.Tic.Ltd.Şti
Beşyol Mah. Birlik Cad. No:12 34295 Küçükçekmece
İstanbul / Turkey
TEL:+90 212 580 55 59
FAX :+90 212 580 55 21
info@akpakimya.com
www.akpakimya.com

Contact Person Export Department - export@akpakimya.com

1.4. Emergency telephone number

AKPA Kimya : +90 549 558 4040

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Org. Perox. D - H242
Human health Acute Tox. 4 - H302;Skin Corr. 1B - H314
Environment Not classified.

Classification (1999/45/EEC)

Xn;R22. C;R34. O;R7.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Physical and Chemical Hazards

Closed containers can burst violently when heated, due to excess pressure build-up.
The product may form explosive vapours/air mixtures even at normal room temperatures.

2.2. Label elements

Contain Methyl ethyl ketone peroxide

Label In Accordance With (EC) No. 1272/2008



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Signal Word	Danger	
Hazard Statements	H242	Heating may cause a fire.
	H302	Harmful if swallowed.
	H314	Causes severe skin burns and eye damage.
Precautionary Statements	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P220	Keep away from acids, alkalis, heavy metal compounds, oxidising material, combustible materials.
	P234	Keep only in original container.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
	P411+235	Store at temperatures not exceeding (5) – (30)°C. Keep cool.
	P501	Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

No data available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Methyl ethyl ketone peroxide	25 – 40 %
*REACH Pre – Reg. No : 05-2115132669-40-0000	
CAS NO: 1338-23-4	EC NO.: 215-661-2
Classification (EC 1272/2008) Org. Perox. C - H242 Acute Tox. 4 - H302 Skin Corr. 1B - H314	Classification (67/548/EEC) Xn; R22. C; R34 O; R7.
Butanone	1 – 5 %
CAS NO: 78-93-3	EC NO.: 201-159-0
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F; R11 Xi; R36 R66 R67

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Substances with Exposure Limits : See section 8

EC NO: 131-11-3	CAS NO: 205-011-6	Dimethyl Phthalate
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According to Regulation (EU) No 453/2010

Composition Comments

*Last registration date is 31.05.2018.

The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

NOTE! Effects may be delayed. Keep affected person under observation. Chemical burns must be treated by a physician.

Inhalation

Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Remove victim immediately from source of exposure. Immediately remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

Nausea, vomiting. Dizziness.

Ingestion

May cause stomach pain or vomiting. Chemical burns.

Skin contact

May cause serious chemical burns to the skin.

Eye contact

May cause severe irritation to eyes.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media

Halon. Direct water jet.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Fire causes formation of toxic gases. Forms explosive mixtures with air.

May explode when heated or when exposed to flames or sparks.

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Specific hazards

In case of fire, toxic gases may be formed. Vapours may form explosive air mixtures even at room temperature. Containers can burst violently when heated, due to excess pressure build-up.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. If possible, fight fire from protected position. Move container from fire area if it can be done without risk. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire. Face mask, protective gloves and safety helmet.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.
Do not smoke, use open fire or other sources of ignition.
Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow ANY environmental contamination.

6.3. Methods and material for containment and cleaning up

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, lames, heat and smoking. Ventilate. Dike far ahead of larger spills for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage. **DO NOT TOUCH SPILLED MATERIAL!** Wear necessary protective equipment.

6.4. Reference to other sections

For personal protection, see section 8.
See section 11 for additional information on health hazards.
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid inhalation of vapours/spray and contact with skin and eyes. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Do not handle broken packages without protective equipment. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices. Mechanical ventilation or local exhaust ventilation may be required. Container must be kept tightly closed. Protect against direct sunlight.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames.
Store in tightly closed original container in a dry, cool [(5) – (30)°C] and well-ventilated place.
Avoid contact with oxidising agents. Store away from: Acids. Alkalis. Heavy metal compounds. Oxidising material - Keep away from flammable and combustible materials.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
Butanone	WEL	200 ppm(Sk)	600 mg/m ³ (Sk)	300 ppm(Sk)	899 mg/m ³ (Sk)	
Methyl Ethyl Ketone Peroxide	WEL			0.2 ppm	1.5 mg/m ³	
Dimethyl Phthalate	WEL		5 mg/m ³		10 mg/m ³	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

Respiratory equipment

In case of inadequate ventilation use suitable respirator. Check that mask fits tight and change filter regularly.

Hand protection

Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex). The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Eye protection

If risk of splashing, wear safety goggles or face shield.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Skin protection

Protection suit must be worn.

Environmental Exposure Controls

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid.
Colour	Colourless.
Odour	Characteristic.
Solubility	Partially soluble in water.

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Relative density 1, 18 gr/cm³ (@20° C)

Viscosity 24 mPa.s (@20° C)

9.2. Other information

Active Oxygen 8, 8 - 9, 0

SADT 60°C

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not available.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong alkalis. Strong acids. Strong oxides. Strong reducing agents. Heavy metals.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

The product is not tested.

Serious eye damage/irritation:

Causes burns.

Respiratory or skin sensitisation:

Skin sensitisation

Not available.

Germ cell mutagenicity:

Genotoxicity - In Vitro

Mutagenic – Ames Test.

Genotoxicity - In Vivo

Not available.

Carcinogenicity:

Not available.

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Reproductive Toxicity:

Reproductive Toxicity - Fertility

Not available.

Reproductive Toxicity - Development

Not available.

Specific target organ toxicity - single exposure:

STOT - Single exposure

No information required.

Specific target organ toxicity - repeated exposure:

STOT - Repeated exposure

No information required.

Aspiration Hazard

No data available.

Inhalation

Harmful by inhalation. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

Ingestion

Irritating. May cause nausea, stomach pain and vomiting.

Skin contact

Prolonged and frequent contact may cause redness and irritation.

Eye contact

Causes burns.

Toxicological information on ingredients.

BUTANONE (CAS: 78-93-3)

Acute Toxic Dose 1 – LD 50	2737	mg/kg	(oral - rat)
Acute Toxic Dose 2 – LD 50	607	mg/kg	(ipr- rat)
Acute Toxic Conc. - LC 50	23500	mg/m ³ /8h	(inh - rat)

Methyl ethyl ketone peroxide (CAS: 1338-23-4)

Acute Toxic Dose 1 – LD 50	484	mg/kg	(oral - rat)
Acute Toxic Dose 2 – LD 50	500	mg/kg	(dermal - rat)
Acute Toxic Conc. - LC 50	200	ppm/4h	(inh - rat)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be hazardous to the environment. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Ecological information on ingredients.

BUTANONE (CAS: 78-93-3)

LC 50, 96 Hrs, Fish	3.22	mg/l
----------------------------	------	------

12.2. Persistence and degradability

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Degradability

The product is easily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is partly miscible with water and may spread in the aquatic environment.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

May be hazardous to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Environmental manager must be informed of all major spillages.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	3105
UN No. (IMDG)	3105
UN No. (ICAO)	3105

14.2. UN proper shipping name

Proper Shipping Name ORGANIC PEROXIDE TYPE D, LIQUID (METHYL ETHYL KETONE PEROXIDE(S))

14.3. Transport hazard class(es)

ADR/RID/ADN Class	5.2
ADR/RID/ADN Class	Class 5.2: Organic peroxides.
ADR Label No.	5.2
IMDG Class	5.2
ICAO Class/Division	5.2

Transport Labels

Revision Date 22.01.2014
Issue Date 24.11.2009

Revision 2.0
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According to Regulation (EU) No 453/2010



14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

EMS F-J, S-R

Emergency Action Code 2WE

Tunnel Restriction Code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

Health and Safety at Work Act 1974.

Fire precautions Act 1971.

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Safety Data Sheets for Substances and Preparations.

Guidance Notes

Workplace Exposure Limits EH40.

CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General information

Only trained personnel should use this material.

Information Sources

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SAFETY DATA SHEET **AKPEROX A50**

According to Regulation (EU) No 453/2010

This SDS is prepared based on the information received from the product owner.

Revision Comments

The SDS is generated in accordance with the 1907/2006 REACH and 1272/2008 CLP regulations.

Issued By

Melih Babayiğit / **CRAD** Çevre Risk Analiz Denetim ve Eğitim Hizm. Ltd.Şti.
www.crad.com.tr Tel: +90216 335 4600

Revised By-22.01.2014

Bülent Özdemir / **CRAD** Çevre Risk Analiz Denetim ve Eğitim Hizm. Ltd.Şti.
www.crad.com.tr Tel: +90216 335 4600

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Risk Phrases In Full

R34	Causes burns.
R22	Harmful if swallowed.
R11	Highly flammable.
R36	Irritating to eyes.
R7	May cause fire.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H242	Heating may cause a fire.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.