

SAFETY DATA SHEET



Isopropylamine

10350

Version / Revision

3

Revision Date

15-Mar-2022

Supersedes Version

2.00***

Issuing date

15-Mar-2022

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

1.1. Product identifier

Identification of the substance/preparation

Isopropylamine

CAS-No

75-31-0

EC No.

200-860-9

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

Use of the Substance / Preparation

Intermediate.

Uses advised against

None

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification

OQ Chemicals GmbH
Rheinpromenade 4A
D-40789 Monheim
Germany

Product Information

Product Stewardship
FAX: +49 (0)208 693 2053
email: sc.psq@oq.com

1.4. Emergency telephone number

Emergency telephone number +44 (0) 1235 239 670 (UK) available 24/7***

NCEC +1 202 464 2554

Local emergency telephone number

+61 2 8014 4558 (Australia)

18000 74234 (Australia toll-free number)

+64 9 929 1483 (New Zealand)

0800 446 881 (New Zealand toll-free number)

+65 3158 1195 (Sri Lanka)

007 803 011 0293 (Indonesia toll-free number)

+60 3 6207 4347 (Malaysia)

001 800 120 666 751 (Thailand toll-free number)

+65 3158 1200 (Bangladesh)

+63 2 8231 2149 (Philippines)

+84 28 4458 2388 (Vietnam)

+65 3165 2217 (Singapore)

available 24/7

SECTION 2: Hazards identification

Europe

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2.1. Classification of the substance or mixture

This substance is classified based on Directive 1272/2008/EC and its amendments (CLP Regulation)

Flammable liquid Category 1, H224***
Acute oral toxicity Category 3, H301***
Acute dermal toxicity Category 3, H311***
Acute inhalation toxicity Category 3, H331***
Skin corrosion/irritation Category 2, H315***
Serious eye damage/eye irritation Category 2, H319***
Target Organ Systemic Toxicant - Single exposure Category 3, H335***

In addition to the CLP classification based on OQ data this product should also be regarded as:
Skin corrosion/irritation: category 1A-1C***

Additional information

For full text of Hazard- and EU Hazard-statements see SECTION 16.***

2.2. Label elements

Labelling according to Regulation 1272/2008/EC and its amendments (CLP Regulation).***

Hazard pictograms



Signal word

Danger

Hazard statements

H224: Extremely flammable liquid and vapour.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

Precautionary statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330: IF SWALLOWED: Rinse mouth
P321: Specific treatment: IF ON SKIN: Wash off with 3% acetic acid followed by large amounts of plain water for at least 5 min as a final step.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.

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P403 + P235: Store in a well ventilated place. Keep cool.***

2.3. Other hazards

Vapours may form explosive mixture with air
Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback
Components of the product may be absorbed into the body by inhalation, ingestion and through the skin

PBT and vPvB assessment This substance is not considered to be persistent, bioaccumulating nor toxic (PBT), nor very persistent nor very bioaccumulating (vPvB)***

USA

2.1. Classification of the substance or mixture

This substance is classified in accordance with paragraph (d) of §1910.1200 (GHS-US classification).***

Acute oral toxicity Category 3, H301***
Acute dermal toxicity Category 3, H311***
Acute inhalation toxicity Category 3, H331***
Skin corrosion/irritation Category 1A, H314***
Serious eye damage/eye irritation Category 1, H318***
Target Organ Systemic Toxicant - Single exposure Category 3, H335***
Flammable liquid Category 1, H224***
Environmental hazard Aquatic Acute 3; H402***

OSHA Specified Hazards Not applicable.

2.2. Label elements

Labeling according to §1910.1200 (GHS-US labeling).***

Hazard symbol(s) ***



Signal word

Danger***

Hazard statements

H224: Extremely flammable liquid and vapor.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H314: Causes severe skin burns and eye damage.
H335: May cause respiratory irritation.
H402: Harmful to aquatic life***

Precautionary statements

Prevention

P210: Keep away from heat, hot surfaces, sparks, open flames and other

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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 precautionary measures against static discharge.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well ventilated area.
P273: Avoid release to the environment.
P260: Do not breathe gas/mist/vapours.
P280: Wear protective gloves/protective clothing/eye protection/face protection.***

Response

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P321: Specific treatment: IF ON SKIN: Wash off with 3% acetic acid followed by large amounts of plain water for at least 5 min as a final step.
P361: Take off immediately all contaminated clothing and wash it before reuse.
P363: Wash contaminated clothing before reuse.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310: Immediately call a POISON CENTER/doctor.***

Storage

P403 + P235: Store in a well ventilated place. Keep cool.
P405: Store locked up.***

Disposal

P501: Dispose of contents/container in accordance with local regulation.***

2.3. Other hazards

Vapours may form explosive mixture with air

Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback

Components of the product may be absorbed into the body by inhalation, ingestion and through the skin***

SECTION 3: Composition / information on ingredients

3.1. Substances

Component	CAS-No	REACH-No	1272/2008/EC	Concentration (%)
Isopropylamine	75-31-0	01-2119463274-39** *	Flam. Liq. 1; H224 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335***	> 99,7

SECTION 4: First aid measures

4.1. Description of first aid measures

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Inhalation

Keep at rest. Breathe with fresh air. Call a physician immediately. Symptoms of poisoning may develop many hours after exposure.

Eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Skin

Wash off with 3% acetic acid followed by large amounts of plain water for at least 5 min as a final step. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.

Ingestion

Call a physician immediately. Do not induce vomiting without medical advice.

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

Main symptoms

shortness of breath, convulsions, cough, hypertensive effect, narcosis, unconsciousness, discomfort, nausea.

Special hazard

Stomach perforation, Lung oedema, Pneumonia, Dermatitis.

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

General advice

Remove contaminated, soaked clothing immediately and dispose of safely. First aider needs to protect himself.

Treat as an alkaline substance (similar to ammonia). If ingested, irrigate the stomach. Treat skin and mucous membranes with antihistamine and corticoids. In case of lung irritation, first treatment with cortisone spray. Symptoms may be delayed. Later control for pneumonia and lung oedema.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water spray

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Under conditions giving incomplete combustion, hazardous gases produced may consist of:

carbon monoxide (CO)

carbon dioxide (CO₂)

nitrogen oxides (NO_x)

hydrogen cyanide (hydrocyanic acid)

Combustion gases of organic materials must in principle be graded as inhalation poisons

Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback

Vapours may form explosive mixture with air

5.3. Advice for firefighters



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Special protective equipment for firefighters

Fire fighter protection should include a self-contained breathing apparatus (NIOSH-approved or EN 133) and full fire-fighting turn out gear.

Precautions for firefighting

Cool containers / tanks with water spray. Water run-off and vapor cloud may be corrosive. Dike and collect water used to fight fire. Keep people away from and upwind of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: For personal protective equipment see section 8. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition.

For emergency responders: Personal protection see section 8.***

6.2. Environmental precautions

Prevent further leakage or spillage. Do not discharge product into the aquatic environment without pretreatment (biological treatment plant).

6.3. Methods and material for containment and cleaning up

Methods for containment

Stop the flow of material, if possible without risk. Dike spilled material, where this is possible.

Methods for cleaning up

Soak up with inert absorbent material. DO NOT use combustible materials such as sawdust. Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Dispose of in accordance with local regulations. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

6.4. Reference to other sections

For personal protective equipment see section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Do not breathe vapours or spray mist. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Do not use compressed air for filling, discharging or handling. Refill and handle product only in closed system. Provide sufficient air exchange and/or exhaust in work rooms.

Hygiene measures

When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

Advice on the protection of the environment

See Section 8: Environmental exposure controls.

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Incompatible products

acids
Halogenated hydrocarbon
strong oxidizing agents
acid anhydrides
acid chlorides

7.2. Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). In case of fire, emergency cooling with water spray should be available. Ground and bond containers when transferring material. Vapour is heavier than air and can travel considerable distance to a source of ignition and flashback. Vapours may form explosive mixture with air. The pressure in sealed containers can increase under the influence of heat.

Technical measures/Storage conditions

Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care. Handle under nitrogen, protect from moisture. Containers, storage tanks or drums are having temperature dependent pressure. Vessels with higher temperature must be depressurised into vent gas systems or handled under ventilation.

Suitable material

mild steel, stainless steel

Unsuitable material

Aluminium, copper, zinc, Tin, lead, including their alloys

Temperature class

T2

7.3. Specific end use(s)

Formulation***

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Exposure limits European Union

No exposure limits established

Exposure limits Germany

TRGS 900

Component	AGW (mg/m ³)	AGW (ppm)	STEL factor Peak factor	Peak-limit category
Isopropylamine CAS: 75-31-0	12 ***	5***	2 ***	1 ***
Component	Skin resorptive		Reproductive hazard	Note
Isopropylamine CAS: 75-31-0			Y***	

MAK-values from the DFG

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Component	MAK (ppm)	MAK (mg/m ³)	listed w/o limits	Ceiling limit value
Isopropylamine CAS: 75-31-0	5 ***	12 ***		(2) ***
Component	H;S	carcinogenic category	pregnancy group	mutagenicity category
Isopropylamine CAS: 75-31-0			C***	

Note

For details and further information please refer to the original regulation.

Exposure limits United States of America

US ACGIH

Component	TWA (mg/m ³)	TWA (ppm)	STEL (mg/m ³)	STEL (ppm)
Isopropylamine CAS: 75-31-0		2 ***		5***

US OSHA Z-1

Component	Ceiling (mg/m ³)	Ceiling (ppm)	PEL (mg/m ³)	PEL (ppm)	Skin Designation
Isopropylamine CAS: 75-31-0			12***	5***	

Note

For details and further information please refer to the original regulation.

8.2. Exposure controls

Appropriate Engineering controls

General or dilution ventilation is frequently insufficient as the sole means of controlling employee exposure. Local ventilation is usually preferred. Explosion-proof equipment (for example fans, switches, and grounded ducts) should be used in mechanical ventilation systems.

Personal protective equipment

General industrial hygiene practice

Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Ensure that eyewash stations and safety showers are close to the workstation location.

Hygiene measures

When using, do not eat, drink or smoke. Take off all contaminated clothing immediately. Wash hands before breaks and immediately after handling the product.

Eye protection

Tightly fitting safety goggles. In addition to goggles, wear a face shield if there is a reasonable chance for splash to the face.

Hand protection

Wear protective gloves. Recommendations are listed below. Other protective material may be used, depending on the situation, if adequate degradation and permeation data is available. If other chemicals are used in conjunction with this chemical, material selection should be based on protection for all chemicals present.

Suitable material

butyl-rubber

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Evaluation	according to EN 374: level 2
Glove thickness	approx 0,3 mm
Break through time	approx 20 min
Suitable material	polyvinylchloride
Evaluation	Information derived from practical experience
Glove thickness	approx 0,8 mm

Skin and body protection

Impervious clothing. Wear face-shield and protective suit for abnormal processing problems.

Respiratory protection

Respirator with filter for ammonia vapour and ammonia derivatives (K Filter). Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust). Equipment should conform to NIOSH, EN or other applicable national standards.

Environmental exposure controls

Use product only in closed system. If leakage can not be prevented, the substance needs to be suck off at the emersion point, if possible without danger. Observe the exposure limits, clean exhaust air if needed. If recycling is not practicable, dispose of in compliance with local regulations. Inform the responsible authorities in case of leakage into the atmosphere, or of entry into waterways, soil or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid				
Colour	colourless				
Odour	ammonia-like				
Odour threshold	1,2 ppm***				
pH	13,1 (50 g/l in water @ 25 °C (77 °F)) DIN 19268***				
Melting point/range	< -90 °C (Pour point) @ 1013 hPa***				
Boiling point/range	32 °C @ 1013 hPa				
Flash point	<= -25 °C @ 1013 hPa***				
Method	closed cup, ISO 2719***				
Evaporation rate	No data available				
Flammability (solid, gas)	Does not apply, the substance is a liquid				
Lower explosion limit	2 Vol %				
Upper explosion limit	11,5 Vol %				
Vapour pressure	***				
Values [hPa]	Values [kPa]	Values [atm]	@ °C	@ °F	Method
631	63,1***	0,623***	20	68	DIN EN 13016-2***
770***	77,3***	0,763***	25	77	DIN EN 13016-2***
Vapour density	2,04 (Air = 1) @ 20 °C (68 °F)				
Relative density	***				
Values	@ °C	@ °F	Method		
0,6871***	20	68	DIN 51757		
Solubility	miscible, in water, OECD 105***				
log Pow	-0,5 @ 25 °C (77 °F) OECD 117***				
Autoignition temperature	355 °C @ 1016 hPa***				
Method	DIN 51794				

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Decomposition temperature	No data available
Viscosity	0,47 mm ² /s @ 20°C
Method	OECD 114, kinematic
Oxidizing properties	Does not apply, substance is not oxidising. There are no chemical groups associated with oxidizing properties
Explosive properties	Does not apply, substance is not explosive. There are no chemical groups associated with explosive properties

9.2. Other information

Molecular weight	59,11
Molecular formula	C ₃ H ₉ N
log Koc	1,64 OECD 106 read across***
Dissociation constant	pKa 10,8 @ 23,5 °C (74,3 °F) OECD 112***
Refractive index	1,373 @ 20 °C
Surface tension	68,5 mN/m (1 g/l @ 20°C (68°F)), OECD 115

hygroscopic.

SECTION 10: Stability and Reactivity

10.1. Reactivity

The reactivity of the product corresponds to the typical reactivity shown by the substance group as described in any text book on organic chemistry.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Avoid contact with heat, sparks, open flame and static discharge. Avoid any source of ignition.

10.5. Incompatible materials

acids, strong oxidizing agents, halogenated hydrocarbon, acid anhydrides, acid chlorides.

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed. If heated to thermal decomposition the following decomposition products may occur depending on the conditions. carbon monoxide (CO). nitrogen oxides (NO_x). cyanides. nitric acid. nitriles.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure Ingestion, Inhalation, Eye contact, Skin contact***

Acute toxicity

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Isopropylamine (75-31-0)				
Routes of Exposure	Endpoint	Values	Species	Method
Oral	LD50	< 173 mg/kg	rat, male	OECD 425
Dermal	LD50	> 400 mg/kg	rat, male/female	OECD 402
Inhalative	LC50	8,7 mg/l (4h)	rat, male/female	OECD 403

Isopropylamine, CAS: 75-31-0

Assessment

The available data lead to the classification given in section 2***

Irritation and corrosion				
Isopropylamine (75-31-0)				
Target Organ Effects	Species	Result	Method	
Skin	rabbit	corrosive	OECD 404	3 min
Eyes	rabbit	corrosive	OECD 405	24h***
Respiratory tract***	mouse***	RD50: 157 ppm***	ASTM 981-84***	15 min***

Isopropylamine, CAS: 75-31-0

Assessment

The available data lead to the classification given in section 2***

Sensitization				
Isopropylamine (75-31-0)				
Target Organ Effects	Species	Evaluation	Method	
Skin	guinea pig	not sensitizing	OECD 406	10 %, aqueous solution***

Isopropylamine, CAS: 75-31-0

Assessment

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

Skin sensitization

For respiratory sensitization, no data are available***

Subacute, subchronic and prolonged toxicity				
Isopropylamine (75-31-0)				
Type	Dose	Species	Method	
Subchronic toxicity	NOAEC: 500 mg/m ³ (90 d)	rat, male/female	OECD 413	Inhalation

Isopropylamine, CAS: 75-31-0

Assessment

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

STOT RE***

Carcinogenicity, Mutagenicity, Reproductive toxicity					
Isopropylamine (75-31-0)					
Type	Dose	Species	Evaluation	Method	
Developmental Toxicity	NOAEC: 1000 mg/m ³	rat		OECD 414	Teratogenicity Inhalation***
Developmental Toxicity	NOAEC: 500 mg/m ³	rat		OECD 414	Maternal toxicity Inhalation***
Mutagenicity		mouse lymphoma cells	negative (with metabolic)	OECD 476 (Mammalian)	In vitro study***

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			activation)	Gene Mutation)	
Mutagenicity		mouse lymphoma cells	negative (without metabolic activation)	OECD 476 (Mammalian Gene Mutation)	In vitro study***
Mutagenicity		Salmonella typhimurium	negative (with metabolic activation)	OECD 471 (Ames)	In vitro study***
Mutagenicity		Salmonella typhimurium	negative (without metabolic activation)	OECD 471 (Ames)	In vitro study***
Mutagenicity		human lymphocytes	negative (with metabolic activation)	OECD 473 (Chromosomal Aberration)	In vitro study***
Mutagenicity		human lymphocytes	negative (without metabolic activation)	OECD 473 (Chromosomal Aberration)	In vitro study***
Reproductive toxicity	NOAEC: 500 mg/m ³	rat, parental		OECD 415	Inhalation
Reproductive toxicity	NOAEC: 500 mg/m ³	rat, 1. Generation, male/female***		OECD 415	Inhalation***

Isopropylamine, CAS: 75-31-0

CMR Classification

The available data on CMR properties are summarized in the table above. They do not indicate a classification into categories 1A or 1B***

Evaluation

In vitro tests did not show mutagenic effects

Animal testing did not show any effects on fertility

In the absence of specific alerts no cancer testing is required***

Isopropylamine, CAS: 75-31-0

Main symptoms

shortness of breath, convulsions, cough, hypertensive effect, narcosis, unconsciousness, discomfort, nausea.

Target Organ Systemic Toxicant - Single exposure

STOT SE

respiratory system

The available data lead to the classification given in section 2***

Target Organ Systemic Toxicant - Repeated exposure

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

STOT RE***

Other adverse effects

Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.

Note

Handle in accordance with good industrial hygiene and safety practice. Further details on substance data can be found in the registration dossier under the following link:

<http://echa.europa.eu/information-on-chemicals/registered-substances>.***

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity

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Isopropylamine (75-31-0)			
Species	Exposure time	Dose	Method
Daphnia magna (Water flea)	48h	EC50: 47,4 mg/l	79/831/EEC.C2
Desmodesmus subspicatus	72h	EC50: 18,9 mg/l (Growth rate)	DIN 38412, part 9
Oncorhynchus mykiss (rainbow trout)	96h	LC50: 40 mg/l	OECD 203
Activated sludge (domestic)***	30 min***	EC50: >1000 mg/l (Growth inhibition)***	OECD 209***

Long term toxicity

Isopropylamine (75-31-0)			
Type	Species	Dose	Method
Aquatic toxicity***	Desmodesmus subspicatus***	NOEC: 1,25 mg/l (3d) Growth inhibition***	DIN 38412 / part 9***

12.2. Persistence and degradability

Isopropylamine, CAS: 75-31-0

Biodegradation

70 - 80 % (28 d), activated sludge, aerobic, domestic, OECD 301 F.

Abiotic Degradation

Isopropylamine (75-31-0)		
Type	Result	Method
Hydrolysis***	not expected***	
Photolysis***	No data available***	

12.3. Bioaccumulative potential

Isopropylamine (75-31-0)		
Type	Result	Method
log Pow***	-0,5 @ 25 °C (77 °F)***	measured, OECD 117***
BCF***	not expected***	

12.4. Mobility in soil

Isopropylamine (75-31-0)		
Type	Result	Method
Surface tension***	68,5 mN/m (1 g/l @ 20°C (68°F))***	OECD 115***
Adsorption/Desorption***	Koc: 43,2***	OECD 106 read across***
Distribution to environmental compartments***	no data available***	

12.5. Results of PBT and vPvB assessment

Isopropylamine, CAS: 75-31-0

PBT and vPvB assessment

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This substance is not considered to be persistent, bioaccumulating nor toxic (PBT), nor very persistent nor very bioaccumulating (vPvB)***

12.6. Other adverse effects

Isopropylamine, CAS: 75-31-0

No data available***

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product Information

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal.

Hazardous waste according to European Waste Catalogue (EWC)

Uncleaned empty packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information

ICAO-TI / IATA-DGR

14.1. UN number

*** UN 1221

14.2. UN proper shipping name

*** Isopropylamine***

14.3. Transport hazard class(es)

*** 3

Subsidiary Risk

8***

14.4. Packing group

*** I

14.5. Environmental hazards

no***

14.6. Special precautions for user

no data available***

IMDG

14.1. UN number

*** UN 1221

14.2. UN proper shipping name

*** Isopropylamine***

14.3. Transport hazard class(es)

*** 3

Subsidiary Risk

8***

14.4. Packing group

*** I

14.5. Environmental hazards

no***

14.6. Special precautions for user

EmS

F-E, S-C

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Product name

Isopropylamine***

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Ship type 2***
Pollution category Y***

ADR/RID ***

14.1. UN number *** UN 1221
14.2. UN proper shipping name *** Isopropylamine
14.3. Transport hazard class(es) *** 3
Subsidiary Risk 8***
14.4. Packing group *** I
14.5. Environmental hazards no***
14.6. Special precautions for user ***
ADR Tunnel restriction code (C/E)
Classification Code FC
Hazard Number 338

SECTION 15: Regulatory information

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

Regulation 1272/2008, Annex VI

Isopropylamine, CAS: 75-31-0

Classification Flam. Liq. 1; H224
Eye Irrit. 2; H319
STOT SE 3; H335
Skin Irrit. 2; H315***
Hazard pictograms GHS02 Flame
GHS07 Exclamation mark***
Signal word Danger
Hazard statements H224, H319, H335, H315

DI 2012/18/EU (Seveso III) ***

Category Annex I, part 1:
H2
P5a - c; depending on conditions***

DI 1999/13/EC (VOC Guideline)

Component	Status
Isopropylamine CAS: 75-31-0	regulated***

International Inventories

Isopropylamine, CAS: 75-31-0

AICS (AU)***
DSL (CA)***
IECSC (CN)***

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EC-No. 2008609 (EU)***
ENCS (2)-131 (JP)***
ISHL (2)-131 (JP)***
KECI KE-29257 (KR)***
INSQ (MX)***
PICCS (PH)***
TSCA (US)***
NZIoC (NZ)***
TCSI (TW)***

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3

H224: Extremely flammable liquid and vapour.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.***

Abbreviations

A table of terms and abbreviations can be found under the following link:
http://echa.europa.eu/documents/10162/13632/information_requirements_r20_en.pdf

Training advice

For effective first-aid, special training / education is needed.

Sources of key data used to compile the datasheet

Information contained in this safety data sheet is based on OQ owned data and public sources deemed valid or acceptable. The absence of data elements required by OSHA, ANSI or Annex II, Regulation 1907/2006/EC indicates, that no data meeting these requirements is available.

Further information for the safety data sheet

Changes against the previous version are marked by ***. Observe national and local legal requirements. For more information, other material safety data sheets or technical data sheets please consult the OQ homepage (www.chemicals.oq.com).

Disclaimer

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End of Safety Data Sheet