

SAFETY DATA SHEET

[1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : QUARTAMIN 24P
 SUPPLIER : Kao Corporation
 ADDRESS : 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan
 DIVISION : Global Chemical Business
 TELEPHONE NUMBER : 81-3-5630-7700
 FAX NUMBER : 81-3-5630-7889
 E-MAIL ADDRESS : chemical@kao.co.jp
 EMERGENCY TELEPHONE NUMBER : 81-3-5630-7700
 RECOMMENDED USE :
 AND RESTRICTIONS ON USE :

[2.HAZARDS IDENTIFICATION]

GHS CLASSIFICATION

PHYSICAL AND CHEMICAL HAZARDS

FLAMMABLE LIQUIDS : Category 3

HEALTH HAZARDS

ACUTE TOXICITY (Oral) : Category 4

ACUTE TOXICITY (Dermal) : Not classified

ACUTE TOXICITY (Inhalation) : Not classified(Vapours)

SKIN CORROSION / IRRITATION : Category 1

SERIOUS EYE DAMAGE / EYE IRRITATION : Category 1

RESPIRATORY SENSITIZATION : Classification not possible

SKIN SENSITIZATION : Classification not possible

GERM CELL MUTAGENICITY : Classification not possible

CARCINOGENICITY : Classification not possible

REPRODUCTIVE TOXICITY : Category 2

SPECIFIC TARGET ORGAN TOXICITY

- SINGLE EXPOSURE : Category 1(central nervous system, kidney, systemic toxicity)

- REPEATED EXPOSURE : Classification not possible

ASPIRATION HAZARD : Classification not possible

ENVIRONMENTAL HAZARDS

HAZARDOUS TO THE AQUATIC ENVIRONMENT

- ACUTE HAZARD : Category 1

- LONG-TERM HAZARD : Category 1

- HAZARDOUS TO THE OZONE LAYER : Classification not possible

GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS :



SIGNAL WORD : Danger

HAZARD STATEMENTS : Flammable liquid and vapour

Harmful if swallowed

Causes severe skin burns and eye damage

Suspected of damaging fertility or the unborn child

Causes damage to organs (central nervous system, kidney, systemic toxicity)

Very toxic to aquatic life with long lasting effects

PRECAUTIONARY STATEMENTS

- PREVENTION** : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Keep container tightly closed.
Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting. Use only non-sparking tools.
Do not breathe dust/fume/gas/mist/vapours/spray.
Avoid release to the environment.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
- RESPONSE** : IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
Immediately call a POISON CENTER or doctor.
In case of fire : Keep away from sources of ignition and use appropriate extinguishing media.
Collect spillage.
- STORAGE** : Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
- DISPOSAL** : Passed to a licensed waste contractor.
- SAFE HANDLING ADVICE** :

[3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Mixture

INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
(Coconut oil alkyl)trimethylammonium chlorides	20 - 30	61789-18-2
Isopropyl alcohol	15 - 25	67-63-0
Water	45 - 55	7732-18-5

[4.FIRST-AID MEASURES]

- IN CASE OF INHALATION** : Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.
- IN CASE OF SKIN CONTACT** : Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.
- IN CASE OF EYE CONTACT** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
- IN CASE OF INGESTION** : Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

[5.FIRE-FIGHTING MEASURES]

- EXTINGUISHING MEDIA** : Powder, alcohol-resistant foam, water spray, carbon dioxide,sand
- NOT SUITABLE EXTINGUISHING MEDIA** : No information available
- SPECIFIC HAZARDS** : Produce irritating or toxic gases in a fire.

- SPECIFIC METHODS : Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible.
Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.
- PROTECTION OF FIRE FIGHTERS : Use goggles in combination with dust mask, and other protections as appropriate to situation.
Risk of producing harmful gases such as carbon monoxide and phosgene. Avoid inhalation of smoke or gases.

[6. ACCIDENTAL RELEASE MEASURES]

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE : Use goggles and protective gloves.
Large spills : Remove person to safety.
Ensure adequate ventilation.
- ENVIRONMENTAL PRECAUTIONS : Avoid release to the environment.
- METHODS FOR CLEANING UP : Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth.
Large spills: Dike spills and dispose of in safe area.
- PREVENTION OF SECONDARY HAZARDS : Keep away from sources of ignition and prepare extinguishing media.
Do not use tools producing sparks

[7. HANDLING AND STORAGE]

HANDLING

- TECHNICAL MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
- PRECAUTIONS : Keep away from source of ignition.
Avoid contact with eyes and skin.
- SAFE HANDLING ADVICE : Use an adequate ventilation.
Wash thoroughly after handling.
Use personal protective equipment as required.
Do not breathe dust/fume/gas/mist/vapours/spray.
Do not eat, drink or smoke when using this product.

STORAGE

- SUITABLE STORAGE CONDITIONS : Store container tightly closed in well-ventilated place.
Store locked up.
Keep away from source of ignition.
- SAFE PACKAGING MATERIALS : No information available

[8. EXPOSURE CONTROLS / PERSONAL PROTECTION]

- ENGINEERING MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Use local exhaust ventilation.
Use explosion-proof electrical equipment and prevent from static electricity.

LIMIT VALUES

- ACGIH (TLV) : TWA 200 ppm, STEL 400 ppm
2-Propanol
- OSHA (PEL) : PEL TWA 400ppm, TWA 980mg/m³, (2012 year edition)
Isopropyl alcohol

PERSONAL PROTECTIVE EQUIPMENT

- RESPIRATORY PROTECTION : Use chemical cartridge respirator for organic solvents, as appropriate to situation.
- HAND PROTECTION : Chemical protective gloves
- EYE PROTECTION : Safety glasses with side shield (Safety goggles or Face shield)

SKIN AND BODY PROTECTION : Chemical protective clothing.
HYGIENE MEASURES : No information available

[9.PHYSICAL AND CHEMICAL PROPERTIES]

APPEARANCE

PHYSICAL STATE : Liquid
COLOUR : Light yellow clear
ODOUR : Amine-like odour
pH : 6.5 - 8.5 (20% solution)

SPECIFIC TEMPERATURES / TEMPERATURE RANGES
AT WHICH CHANGES IN PHYSICAL STATE OCCUR

BOILING POINT : No information available
MELTING POINT : -11 °C (12.2 °F)
FLASH POINT : 30.5 °C (86.9 °F) (Setaflash Closed-cup Apparatus)

FLAMMABILITY OR EXPLOSIVE PROPERTIES

FLAMMABILITY OR EXPLOSIVE LIMITS : UPPER LIMIT : No information available LOWER LIMIT : No information available
VAPOUR PRESSURE : No information available
VAPOUR DENSITY : No information available
DENSITY (SPECIFIC GRAVITY) : 0.935 g/mL (25 °C) (77 °F)
SOLUBILITY
WATER SOLUBILITY : Soluble
SOLVENT SOLUBILITY : Soluble in ethyl alcohol
PARTITION COEFFICIENT: n-OCTANOL / WATER (log Pow) : No information available
AUTO-IGNITION TEMPERATURE : No information available
DECOMPOSITION TEMPERATURE : No information available
ODOUR THRESHOLD : No information available
EVAPORATION RATE : No information available
FLAMMABILITY (SOLID,GAS) : No information available
VISCOSITY : No information available
OTHER DATA : No information available

[10.STABILITY AND REACTIVITY]

CHEMICAL STABILITY : No information available
POSSIBILITY OF HAZARDOUS REACTIONS : May form flammable gas or vapor.
May form explosive gas/air mixtures.
CONDITIONS TO AVOID : No information available
INCOMPATIBLE MATERIALS : No information available
HAZARDOUS DECOMPOSITION PRODUCTS : No information available
OTHERS : No information available

[11.TOXICOLOGICAL INFORMATION]

ACUTE TOXICITY

Oral

INFORMATION ON PRODUCT : No information available
INFORMATION ON INGREDIENTS : (Coconut oil alkyl)trimethylammonium chlorides: Category 3; Ref.(42)

Dermal

INFORMATION ON PRODUCT : No information available

INFORMATION ON INGREDIENTS	: No information available
Inhalation	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
SKIN CORROSION / IRRITATION	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: (Coconut oil alkyl)trimethylammonium chlorides: Category 1; Ref.(42)
SERIOUS EYE DAMAGE / IRRITATION	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: (Coconut oil alkyl)trimethylammonium chlorides: Category 1; Ref.(42) Isopropyl alcohol: Category 2A; Ref.(1)
RESPIRATORY OR SKIN SENSITIZATION	
RESPIRATORY	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
SKIN	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
MUTAGENICITY (GERM CELL MUTAGENICITY)	
INFORMATION ON PRODUCT	: Ames test (TA98, TA100) : Negative
INFORMATION ON INGREDIENTS	: No information available
CARCINOGENICITY	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
IARC	: Group 3: Not classifiable as to its carcinogenicity to humans. Isopropyl alcohol
NTP	: Not listed
EU	: Not listed
OSHA	: Not listed
REPRODUCTIVE TOXICITY	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: Isopropyl alcohol: Category 2; Ref.(1)
SPECIFIC TARGET ORGAN TOXICITY	
- SINGLE EXPOSURE	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: Isopropyl alcohol: Category 1 (central nervous system, kidney, systemic toxicity); Ref.(1)
- REPEATED EXPOSURE	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
ASPIRATION HAZARD	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
OTHER INFORMATION	: No information available
[12.ECOLOGICAL INFORMATION]	
ECOTOXICITY	: No information available
PERSISTENCE / DEGRADABILITY	: No information available
MOBILITY IN SOIL	: No information available
BIOACCUMULATIVE POTENTIAL	: No information available

OTHER ADVERSE EFFECTS : No information available

[13.DISPOSAL CONSIDERATIONS]

Review "HANDLING AND STORAGE (Section 7)".
Passed to a licensed waste contractor.
Incinerate with little portions.
Risk of producing harmful gases such as carbon monoxide and phosgene.
This material is containing flammable materials.
Be careful in case of incineration.
Remove the contents completely in case of disposal of the container.

Dispose of waste in accordance with local, state and federal regulations.

[14.TRANSPORT INFORMATION]

Follow all regulations in your country or region

INTERNATIONAL REGULATIONS

UN CLASS / UN NUMBER	:	Class 3 / UN2924	
IATA	:	UN Number	UN2924
		Proper Shipping Name	Flammable Liquid, Corrosive, n.o.s.(containing Isopropanol/Quaternary Ammonium Chloride)
		Class (Sub. risk)	3 (8)
		Packing Group	III
IMDG	:	UN Number	UN2924
		Proper Shipping Name	Flammable Liquid, Corrosive, n.o.s.(containing Isopropanol/Quaternary Ammonium Chloride)
		Class (Sub. risk)	3 (8)
		Packing Group	III
		Additional Information	Marine pollutant

SPECIAL PRECAUTIONS FOR USER : Review "ACCIDENTAL RELEASE MEASURES (Section 6)".
Review "HANDLING AND STORAGE (Section 7)".
Ensure containers without breakage or leakage.
Ensure containers tightly fixed.
Follow all regulations in your country or region.
Keep away from source of ignition.
Emergency Response Guide(ERG) Numbers : 132

[15.REGULATORY INFORMATION]

Follow all regulations in your country or region.

INVENTORIES	:	ENCS(Japan)	Yes
		TSCA(USA)	Yes
		EINECS(EU)	Yes
		AICS(Australia)	Yes
		DSL(Canada)	Yes
		ECL(Korea)	Yes
		PICCS(Philippines)	Yes
		IECSC(China)	Yes
		TCSI(Taiwan)	Yes

KAO Corporation is not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

[16.OTHER INFORMATION]

REFERENCE

- : -Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1)
-International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)
(1)GHS Classification Database, National Institute of Technology and Evaluation (NITE)
(42)Classification and Labelling of Surfactants (CESIO)

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