

# Cumyluron

### Hayashi Pure Chemical Ind.,Ltd.

Date of issue: 6/10/2014 Revision date: 7/15/2022 SDS code: R6-19 Version: 03

### Safety Data Sheet

# 1. Chemical product and company identification

**Product name** Cumyluron SDS code R6-19

Company/undertaking

identification

HAYASHI PURE CHEMICAL IND.,LTD.

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**Emergency number** 06-6910-7305

Recommended use For research and experimental use only.

Restrictions on use Do not use for any purpose other than research and experiment. Do not use on a

human body or for animal medicines, foods, household products, cosmetics, etc.

Do not use in the environment.

## 2. Hazards identification

#### **GHS** classification

Physical hazards **Explosives** No classification

> Flammable gases No classification Aerosol No classification Oxidizing gases No classification Gases under pressure No classification Flammable liquids No classification

Flammable solids classification not possible

Self-reactive substances and

mixtures

Pyrophoric liquids

No classification No classification

Pyrophoric solids classification not possible Self-heating substances and classification not possible

mixtures

Substances and mixtures which in contact with water emit flammable

No classification

gases

No classification Oxidizing liquids No classification Oxidizing solids No classification Organic peroxides

Corrosive to metals classification not possible Desensitized eplosives classification not possible

Health hazards Acute toxicity (oral) Category 4

> Acute toxicity (dermal) No classification Acute toxicity (inhalation:gas) No classification Acute toxicity (inhalation:vapors) No classification Acute toxicity (inhalation:dust/mist) No classification Skin corrosion/irritation No classification Serious eye damage/eye irritation Category 2B

Respiratory sensitization classification not possible

Skin sensitization No classification

Germ cell mutagenicity classification not possible Carcinogenicity classification not possible Reproductive toxicity classification not possible Specific target organ toxicity (single classification not possible

exposure)

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Specific target organ toxicity

(repeated exposure)

Category 1 (liver)

Specific target organ toxicity

(repeated exposure)

Category 2 (blood system, kidneys)

Aspiration hazard

classification not possible classification not possible

Environmental hazards

Hazardous to the aquatic environment, short-term (acute)

Hazardous to the aquatic

classification not possible

environment, long-term (chronic) Hazardous to the ozone layer

classification not possible

Hazard pictograms (GHS JP)





GHS08

Signal word (GHS JP) Danger

Hazard statements (GHS JP) Harmful if swallowed (H302)

Causes eye irritation (H320)

Causes damage to organs (liver) through prolonged or repeated exposure

May cause damage to organs (blood system, kidneys) through prolonged

or repeated exposure (H373)

Precautionary statements (GHS JP)

Prevention Do not breathe dust/fume/gas/mist/vapors/spray. (P260)

Wash hands, forearms and face thoroughly after handling. (P264)

Do not eat, drink or smoke when using this product. (P270)

Response IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

(P301+P312)

IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

(P305+P351+P338)

Get medical advice/attention if you feel unwell. (P314)

Rinse mouth, (P330)

If eye irritation persists: Get medical advice/attention. (P337+P313)

Disposal Dispose of contents/container to hazardous or special waste collection

point, in accordance with local, regional, national and/or international

regulation. (P501)

# 3. Composition/information on ingredients

Distinction of substance or mixture Substance

Synonyms 1-(2-Chlorobenzyl)-3-(α,α-dimethylbenzyl)urea

	Concentration or Concentration range	Formula	Kanpo number		
Name			CSCL no	ISHL no	CAS RN
Cumyluron	≥95% <b>、</b> ≤100%	C17H19CIN2O	-	-	99485-76-4

The above concentration or concentration range are not product specification.

All percentages listed in the above concentration or concentration range are wt%, unless otherwise specified.

# 4. First aid measures

#### First aid measures

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing.

Get immediate medical advice/attention.

First-aid measures after skin

contact

contact

Remove/Take off immediately all contaminated clothing.

Gently wash with plenty of soap and water.

Get immediate medical advice/attention.

First-aid measures after eye

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Get immediate medical advice/attention.

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First-aid measures after ingestion : Rinse mouth.

Get immediate medical advice/attention.

### 5. Fire fighting measures

Suitable extinguishing media

Use proper extinguishing media depending on peripheral fire.

Unsuitable extinguishing media

: Do not use a heavy water stream.

Hazardous decomposition products

In case of fire, product may produce irritative or toxic fumes/gases.

in case of fire

Firefighting instructions

: If ignited, for the initial fire-fighting, cut off combustion sources, extinguish

fire at a stroke using appropriate fire-extinguishers.

In the case of peripheral fire, quickly remove movable containers to safe

places.

If unable to be moved containers, sprinkle water to containers and

surrounding equipment, etc. to cool.

Protection during firefighting : Wear appropriate fire-resistant clothing including self contained-

compressed air breathing apparatus.

### 6. Accidental release measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

General measures : Before entering, ventilate the area.

Do not let unauthorized persons come close to the area.

Immediately place the leakage area in isolation, with taking proper

distances for all directions.

Wear appropriate personal protective devices to prevent inhalation and contact with eye, skin, and clothing, and never attempt to work on the lee.

**Environmental precautions** 

Environmental precautions : Avoid release to the environment.

Prevent entry to sewers and public waters.

#### Methods and Equipment for Containment and Cleaning up

Methods for cleaning up : Take care not to generate dust, sweep it up as much as possible, collect it

in an empty container that can be sealed, and move it to a safe place.

Wash out the spilled area with large amounts of water.

# 7. Handling and storage

# Handling

Technical measures : Work with appropriate personal protective equipment to prevent inhalation

or contact to eyes, skin, and clothing.

Handle with care to prevent leakage, overflowing, or scattering, minimize

generation of mist or vapor, and thoroughly ventilate.

Precautions for safe handling : Do not eat, drink or smoke when using this product.

Thoroughly wash your hands and gargle after handling.

Ensure good ventilation of the work station.

Do not contact, breathe or swallow.

Avoid prolonged or repeated exposure.

Prevents handling of incompatible

substances or mixtures

, word protottyou or repeated expect

#### Storage

Storage conditions : Store locked up.

Store in a well-ventilated place, away from direct sunlight. Keep container

tightly closed and keep away from fire and heat sources.

Material used in packaging/containers

Light shielding airtight container.

Technical measures : Comply with applicable regulations.

Storage temperature : Refrigerate: 2-10°C

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## 8. Exposure controls / Personal protection equipment

Appropriate engineering controls : Cover up tightly the generation source at the handling place or install local

exhaust equipment or overall ventilation equipment. Install safety showers and eye-fountains near a handling place. Clearly indicate the location.

**Protective equipment** 

Respiratory protection : Dustproof mask
Hand protection : Protective gloves

Eye protection : Protective glasses (general glasses, glasses with side-shields, goggles)

Skin and body protection : Protective clothing, Protective boots, Protective apron

### 9. Physical and chemical properties

Physical state : Solid
Appearance : Powder
Color : white
Odor : Odorless

рΗ No data available Melting point 165.5 - 166.5 °C Freezing point No data available Boiling point 281.5 - 282.5 °C Flash point No data available Auto-ignition temperature No data available Decomposition temperature No data available Flammability (solid, gas) No data available Vapor pressure 8.0×10<sup>-15</sup>Pa(25°C) Relative density No data available Density 1.22 g/cm³ (21°C) Relative gas density No data available

Solubility : Sparingly soluble in water. Slightly soluble in xylene. Soluble in ethyl

acetate. Soluble in methanol. Soluble in dichloromethane.

Partition coefficient n- : 2.61

octanol/water (Log Pow)

Explosive limits (vol %) : No data available Viscosity, kinematic : No data available Particle characteristics : No data available

## 10. Stability and reactivity

Reactivity : No data available

Chemical stability : Stable under normal handling conditions.

Possibility of hazardous reactions : May react with strong oxidizing agents.

Conditions to avoid : Sunlight, heat. Contact with strong oxidizing agents.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition : Nitrogen oxides, Chlorine and its compounds

products

### 11. Toxicological information

The information in this section is based on the "GHS Classification Results" by NITE.

Cumyluron		
Acute toxicity (oral)	Category 4	
Acute toxicity (dermal)	No classification	
Acute toxicity (gas)	No classification	
Acute toxicity (vapour)	No classification	
Acute toxicity (inhalation:dust/mist)	No classification	
Skin corrosion/irritation	No classification	
Serious eye damage/irritation	Category 2B	
Respiratory sensitization	classification not possible	

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Cumyluron		
Skin sensitization	No classification	
Germ cell mutagenicity	classification not possible	
Carcinogenicity	classification not possible	
Reproductive toxicity	classification not possible	
STOT-single exposure	classification not possible	
STOT-repeated exposure	Category 1 Category 2	
Aspiration hazard	classification not possible	

# 12. Ecological information

The information in this section is based on the "GHS Classification Results" by NITE.

Cumyluron	
Hazardous to Aquatic Environment - Acute Hazard	classification not possible
Hazardous to Aquatic Environment - Chronic Hazard	classification not possible
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Hazardous to the ozone layer	classification not possible

# 13. Disposal considerations

Ecology - waste materials With the detail information of the waste, subcontract its disposal to a

waste disposer authorized by a Prefectural Governor.

Contaminated container and

packaging

Empty the packaging completely prior to disposal.

Empty containers should be taken for recycle, recovery or waste in

accordance with local regulation.

## 14. Transport information

# International Regulations

### Transport by sea(IMDG)

UN-No. (IMDG) Not applicable Proper Shipping Name (IMDG) Not applicable Packing group (IMDG) Not applicable Transport hazard class(es) (IMDG) Not applicable

Air transport(IATA)

UN-No. (IATA) Not applicable Proper Shipping Name (IATA) Not applicable Packing group (IATA) Not applicable Transport hazard class(es) (IATA) Not applicable Marine pollutant Not applicable

Regulations in Japan

Regulatory information by sea Not applicable Regulatory information by air Not applicable

Special transport precautions When transporting, load containers so that they do not tip over, damage, drop or collapse. Make sure there is no leak in containers.

## 15. Regulatory information

### **National law**

Industrial Safety and Health Law Mutagenic New Chemical Substances (Act, Art.57-4, Para.1, Official

Notice by Director of Labor Standards Bureau)

Japanese Poisonous and

**Deleterious Substances Control Law** 

Not applicable

Fire Service Law Not applicable

Foreign Exchange and Foreign Export Trade Control Ordinance appendix 1-16

Trade Control Act

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Japanese Pollutant Release and Transfer Register Law (PRTR Law)

 Class 1 Designated Chemical Substances (Act Art.2 para. 2, Enforcement Oder Art.1 Appended Table No.1)
 1-(2-Chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea; cumyluron

[After amendment of April 2023]

Class 1 Designated Chemical Substances (Act, Art.2, Para.2, Enforcement Order, Art.1 Appended Table 1)

1-(2-Chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea (synonym:

Cumyluron) (≥95%)

#### 16. Other information

Data sources

 Handbook of 17322 Chemical Products, The Chemical Daily Co, Ltd. International Chemical Safety Cards.
 National Institute of Technology and Evaluation (NITE).
 2020 Emergency Response Guidebook (ERG 2020).

Other information

The SDS is copyrighted material of Hayashi Pure Chemical Ind, Ltd. This Safety Data Sheet is intended to be provided for business operators who handle chemical substance products of the relevant product and is not intended to assure safety in any way. The Safety Data Sheet does not verify all the information on the applicable chemical substance in the present time. With the recognition in that unknown danger constantly exists in the relevant chemical substance, the product shall be used in the principle of self-responsibility of the user with the highest priority to safety from transport and unpacking to disposal. When the relevant chemical substance is used, the user him/herself shall collect safety information and shall investigate laws and regulations at the place, organizations, countries, etc. where the substance is actually used and give the highest priority to them. The Company shall take no responsibility for investigating state and local regulations and the user shall handle this problem on his/her own responsibility. In the event that SDS in Japanese and SDS translated into other languages exist, the document described in Japanese is prior to all other documents whether or not there is any difference in contents, and documents in other languages shall be references.