REF. No. 10505	QJUTSU WHEEL & LIGHT COAT	Created date	2019/11/28
Ver. 5	SOFT99 corporation	Rev. date	2023/8/18

Safety Data Sheet

1. Identification

Product name	**QJUTSU WHEEL & LIGHT COAT**
Product code	10505
Manufacturer	Soft99 Corporation
Address	6-5, Tanimachi 2-Chome, Chuo-ku, Osaka, 540-0012, Japan
Department	Research & Development
Telephone	06-6942-6958
Product use	Treatment of automobile and motorcycle wheels【professional use】
Restrictions on use	Do not use for purposes other than those indicated on the product
Date of creation	2019/11/28
Date of revision	2023/8/18

2. Hazard identification

GHS classification

Flammable liquid	Category 2
Aspiration hazard	Category 1
Hazardous to the aquatic environment, acute hazard	Category 1
Hazardous to the aquatic environment, chronic hazard	Category 3

Note: Classifications not shown here are either not applicable or cannot be classified due to lack of data.

GHS label symbols



Signal word **Danger**

Hazard statements

H225 Highly flammable liquid and vapor
H304 May be fatal if swallowed and enters airways
H400 Very toxic to aquatic life
H412 Harmful to aquatic life with long lasting effects

Precautions

[Safety Measures]
P202 Do not handle until all the safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. NO SMOKING!
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P243 Take action to prevent static discharges.
P241 Use explosion-proof [electrical/ventilating/lighting/etc.] equipment.
P242 Use non-sparking tools.
P273 Avoid release to the environment.
P264 Wash hands thoroughly after handing.
P280 Wear protective gloves/protective clothing/eye protection/face shield.
[First aid measures]
IF INHALED:
P340 If you feel unwell, remove victim to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor/physician, if you feel unwell.
IF SWALLOWED:
P330,331 Do NOT induce vomiting. Rinse mouth.
P310 Immediately call a POISON CENTER/doctor/physician.
IF IN EYES:
P351 Rinse cautiously with water for at least 15 minutes.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P313,337 If eye irritaion persists, get medical advice/attention.
IF ON SKIN (or hair):
P361,353 Remove immediately all contaminated clothing. Rinse skin with water [or shower].
P314 Get medical advice/attention if you feel unwell.
P378 Use suitable extinguishing methods.
P391 Collect spillage.
[Storage]
P102,405 Keep out of reach of children. Store locked up.

P403,235 Store in a well-ventilated place. Keep cool.
[Disposal]
P501 Dispose of product and containers in accordance with all applicable local, state, federal, and international regulations.

3. Composition/information on ingredients

Classification of the substance or mixture

・Mixture

Ingredients	(wt%)	CAS No.	
Siloxanes	45-55	Non-disclosed	
Isooctane	45-55	26635-64-3	
Octane	1.1	111-65-9	※
Methanol	< 0.3	67-56-1	※

※ as a constituent of another ingredient

4. First-aid measures

INHALATION:

・Remove victim to fresh air and keep comfortable for breathing if feeling unwell.
・Get medical advice/attention if symptoms persist.
・If vomiting occurs, keep head low so that stomach content does not enter the lungs.
・If breathing difficulties develop, oxygen should be administered by qualified personnel.
・If any of the above symptoms occur, get immediate medical advice/attention.

SKIN CONTACT

Although not a poison or serious irritant, if liquid contacts the skin, do the following.
・Wash affected area with large amounts of water and soap.
・Take off contaminated clothing.
・Keep away from open fire, sparks and other ignition sources.

EYE CONTACT

・Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.
・Ensure thorough flushing behind the eyelids, and all around the eye.
・Remove contact lenses, if present and easy to do. Continue rinsing.
・If eye irritaion persists, get medical advice/attention.
・If intense pain persists, get medical advice/attention immediately.

INGESTION

・Immediately rinse mouth thoroughly.
・Get medical advice/attention immediately
・This product is a volatile liquid. Vomiting may cause entry into the lungs, leading to serious injury.
・If a child is suspected of swallowing this product, seek medical treatment immediately.
・If necessary, use artificial ventilation or oxygen.

Most serious sign(s) and/or symptom(s)

・None known.

Notes to doctor

・Not specified.

5. Fire-fighting measures

Suitable extinguishing media

・Powder, foam, carbon dioxide

Unsuitable extingusishing media

・DO NOT use water.
・Using mist for cooling is acceptable, but do not aim a stream of water at the fire.

Specific hazards with regard to fire-fighting

・Fumes emitted from the burning product contain poisonous gases such as carbon monoxide, nitrogen oxides, etc. When extinguishing, take care not to inhale the smoke.

Particular fire fighting measures

・If possible, perform extinguishing procedures upwind from the fire.
・Evacuate all non-essential personnel from immediate area.
・In case of fire nearby, move product to a safe place.
・Do not admit non-essential people to the area of the fire.
・Apply water from a safe distance to cool and protect surrounding area.
・Avoid discharges of enviromentally harmful substances.

Protection for firefighters

・Wear proper protective gloves, goggles and mask.

・Perform extinguishing procedures upwind from the fire. Avoid breathing fumes. Use breathing equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

・If indoors, ensure sufficient ventilation until the clean-up has been completed.
・Wear suitable protective equipment such as protective mask, gloves, goggles and apron during cleanup operation.
・Prevent others from entering the area with a rope, etc.
・Take suitable measures to avoid contact with skin, inhalation of fumes and dust, etc.
・Work from upwind, evacuate people from downwind of the release.
・As a precaution against fire, prepare a fire extinguisher.
・The area of the spillage may be slippery. Take care.

Environmental precautions

・Do not release into rivers, sewers, or other routes that may damage the environment.
・When diluting with large amounts of water, do not release contaminated water without proper treatment.

Methods and materials for containment and cleaning up

・If in small quantities, absorb the spill (using sand, sawdust, rags, etc.) and thoroughly wipe up the remnants using cloth or rags. Move contaminated material to a sealed container.
・If in large quantities, contain the spill with dykes (sandbags, etc.) before cleaning up.
・Deal with contaminated material and waste according to the appropriate regulations.

Prevention of secondary disasters

・To prevent spreading or accidents, inform the relevant person(s) immediately.
・Immediately eliminate all ignition sources, and prepare extinguishing media.
・Use non-sparking tools.

7. Handling and storage

Handling

・Read the instructions and take all precautions before use.
・Do not use except for intended purpose.
・Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
・Ground and bond container and receiving equipment.
・Take action to prevent static discharges.
・Use non-sparking tools.
・Use explosion-proof [electrical/ventilating/lighting/etc.] equipment.
・Prevent spilling and splashing. Do not allow unnecessary evaporation.
・Avoid breathing dust/fumes/gas/mist/vapors/spray.
・Use only outdoors or in a well-ventilated area.
・Do not eat, drink or smoke when using this product.
・Keep container tightly closed.

Storage

・Store according to instructions on the product.
・Keep tightly sealed.
・Store in a cool, well ventilated area.
・Store in a locked area.
・Store away from fire, hot objects, and other sources of ignition.

Packaging

・Not specified.

8. Exposure controls/personal protection

Occupational exposure guidelines

	ACGIH (TLV-TWA)	(TLV-STEL)
Isooctane	300 ppm	
Octane	300 ppm	
Methanol	200 ppm	250 ppm

Protective equipment

・If vapors, mist, or smoke is produced, provide ventilation.
・Fully ventilate indoor environments. If poorly ventilated, use local exhaust ventilation.

Personal protective equipment

Respiratory ・Wear dust respirator, gas mask or organic solvent gas mask as needed.
Hand ・Wear protective gloves, solvent resistant gloves or vinyl gloves as needed.
Eye, face ・Wear protective glasses, goggles or mask as needed.

Body, skin ・Wear protective equipment as clothing or boots or apron as needed.

9. Physical and chemical properties

Physical state	:	Liquid
Color	:	Transparent, colorless to light yellow
Odor	:	Characteristic odor
Melting point	:	No data
Boiling point and range	:	> 80 ℃
Flammability	:	Flammable
Combustion/explosion limits	:	0.9–7.4 vol% (Isooctane)
Flash point	:	3.4 ℃ (Tag closed cup)
Auto-ignition temperature	:	277 ℃ (Isooctane)
Decomposition temperature	:	No data
pH （25℃）	:	No data
Solubility in water	:	Insoluble
Vapor pressure (25℃ Product internal pressure)	:	No data
Relative density （25 ℃）	:	0.82±0.02
Relative vapor density	:	No data

10. Stability and reactivity

Chemical stability	・Stable under normal conditions.
Possibility of hazardous reactions	・Reacts vigorously with strong oxidants. May cause fire or explosion.
Conditions to avoid	・Heating and heat sources, open flames ・Avoid contact with strong oxidizing agents.
Incompatible materials	・Strong oxidants
Hazardous decomposition products	・None known.
Other	・None known.

11. Toxicological information

There is no product test data.

Acute toxicity

Isooctane	(Oral)	LD50 > 5000 mg/kg (Rat)
Methanol	(Oral)	LD50 6200 mg/kg (Rat), 1400 mg/kg (Human)
Methanol	(Dermal)	LD50 15800 mg/kg (Rabbit)
Isooctane	(Inhalation)	LC50 118 mg/L/4h (Rat, n-octane)
Octane	(Inhalation)	LC50 118 mg/L/4h (Rat, mist)
Methanol	(Inhalation)	LC50 > 22500 ppm/8h (Rat)

Acute toxicity (Oral)	Classification not possible 50–60 percent of the mixture consists of ingredient(s) of unknown acute oral toxicity.
Acute toxicity (Dermal)	Classification not possible 90–100 percent of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
Acute toxicity (Inhalation)	Classification not possible 90–100 percent of the mixture consists of ingredient(s) of unknown acute inhalation toxicity.
Skin corrosion/irritation	Classification not possible
Serious eye damage/irritation	Classification not possible
Respiratory sensitization	Classification not possible
Skin sensitization	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity (Single exposure)	Classification not possible
Specific target organ toxicity (Repeated exposure)	Classification not possible
Aspiration hazard	May be fatal if swallowed and enters airways (Category 1)

Hazard category information

Ingredient	Acute toxcity Oral	Acute toxcity Dermal	Acute toxcity Inhalation	Skin corrosion /irritation	Serious eye damage /eye irritation
Siloxanes					
Isooctane	–		–(mist)		
Octane			–(mist)	2	2
Methanol	4	–	–(vapor)		2

Ingredient	Respiratory sensitization	Skin sensitization	Germ cell mutagenicity	Carcinogenicity	Reproductive toxicity
Siloxanes					
Isooctane					
Octane					
Methanol		–	–		1B

Ingredient	Specific target organ toxicity		Aspiration hazard
	Single exposure	Repeated exposure	
Siloxanes			
Isooctane			1
Octane	3(R,D)		1
Methanol	1,3(D)	1	

Blank : Not classified/ Classification not possible
– : Not classified
R : Respiratory irritation
D : Drowsiness or dizziness

For the purpose of GHS classification of the product, in some cases the classification of the raw materials is used.
Toxicological data for each component are reference values.

12. Ecological information

There is no product test data.

Hazardous to the aquatic environment, acute hazard

Isooctane	EC50 0.18 mg/L/48h (Crustacea(Daphnia magna), n-octane)
Octane	LC50 0.1 mg/L/96h (Crustacean(Mysidopsis bahia))
Methanol	LC50 900.73 mg/L/24h (Artemia salina)
	Very toxic to aquatic life (Category 1)
	90-100 percent of the mixture consists of ingredient(s) of unknown acute hazards to the aquatic environment.

Hazardous to the aquatic environment, chronic hazard

	Harmful to aquatic life with long lasting effects (Category 3)
	90-100 percent of the mixture consists of ingredient(s) of unknown chronic hazards to the aquatic environment.

Harmful to the ozone layer: Classification not possible

Hazard category information

Ingredient	Hazardous to the aquatic environment		Harmful to the ozone layer
	Acute hazard	Chronic hazard	
Siloxanes			
Isooctane	1	3	
Octane	1	2	
Methanol	–	–	

Blank : Not classified/Classification not possible
– : Not classified

Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.

13. Disposal considerations

・Dispose of contents/container in accordance with applicable regional, national, and local laws and regulations.

14. Transport information

UN class	3 Flammable liquids
UN number	UN1993 FLAMMABLE LIQUID, N.O.S.

(Liquid containing isooctane)

Packing group Ⅱ

Specific safety measures and condition for transportation

- ・Strictly no sources of ignition
- ・Check for breakages and leaks
- ・Prevent luggage from collapsing
- ・Wrap, display and transport according to the law.
- ・Avoid direct sunlight
- ・Do not wet
- ・Pack upright
- ・Do not place on hot surfaces (outside during summer, etc.)
- ・Handle carefully to avoid shocks and violent movements

15. Regulatory information

Follow the applicable regional, national, and local laws and regulations.

16. Other information

References

Hazard communication of chemicals based on GHS-Labelling and Safety Data Sheet(SDS) JIS Z7253(2019)
GHS Classification Results (NITE website, Japan)
Supplier's SDS
Guide to SDS Composition for Auto Chemicals (JACA)

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