

Safety Data Sheet

1. IDENTIFICATION

Product Name:	RJ-WP60E
Other Names:	-
Recommended Use:	No data available.
Supplier:	Global Chemie ASCC Limited
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2. HAZARDS IDENTIFICATION

Hazardous Nature

This product is not classified as hazardous under GHS criteria.

Hazardous Classification

No data available.

Hazardous Statement

No data available.

GHS Pictograms

No data available.

Hazard Statements

No data available.

Precautionary Statements

No data available.

Response Statements

If ingestion

No data available.

If on skin

No data available.

If inhaled

No data available.

If in eye

No data available.

Storage Statements

P405: store locked up.

Disposal Statements

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Signal Word: No signal word.

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	UN No.	Proportion (%w/w)
Poly (dimethylsiloxane)	63148-62-9	-	<20
Silsesquioxanes, Me,hydroxy-terminated	68554-71-2	-	Trade secret

Molecular Formular: No data available.

Molecular weight: No data available.

4. FIRST AID MEASURES

For advice, contact Ramathibodi Poison Center (Phone: 1367) or a doctor.

General advice

Immediately medical attention required. Show thie safety data sheet (SDS) to the doctor in attendance.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison Control Center immediately.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

Skin Contact

Take off comminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.

Inhalation

Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.

Protecting of first-aiders

Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed

Substance accumulation, in the human body, may occur and may cause some concern following

Indication of any immediate medical attention and special treatment needed

- Treat symptomatically.
- Symptoms may be delayed.

5. FIRE FIGHTING MEASURES**Suitable extinguishing media**

Use extinguishing media suitable for surrounding area.

Unsuitable extinguishing media

There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

- Containers may explode when heated.
- May expansion or decompose explosively when heated or involved in fire.

Advice for firefighters

- As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

- Fight fire from a safe distance, with adequate cover.
- Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. ACCIDENTAL RELEASE MEASURES.

Personal Precautions, Protective Equipment and Emergency Procedures

- Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
- Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

Environmental Precautions

- Prevent further leakage or spillage if safe to do so.
- Discharge into the environment must be avoided.

Methods and Material for Containment and Cleaning Up

- Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures

- Handling is performed in a well-ventilated place.
- Wear suitable protective equipment.
- Avoid contact with skin and eyes.

Measures to prevent fire

Keep away from heat/sparks/open flames/ hot surfaces.

Measures to prevent aerosol and dust generation

No data available.

Advice on general occupational hygiene

- Wash hands and face after using of the substances.
- Replace the contaminated clothing immediately.

Conditions for safe storage

- Keep containers tightly closed.
- Keep containers in a dry, cool and well-ventilated place.
- Keep away from heat/sparks/open flames/hot surfaces.
- Store away from incompatible materials and foodstuff containers.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

Control parameters

Occupational Exposure limit values

Poly(dimethylsiloxane) (CAS#63148-62-9):

Limit value - Eight hours: 60 mg/m³.

Limit value - Short term (15 minutes average value): 80 mg/m³ (Romania)

Biological limit values

No data available.

Monitoring methods

EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard).

Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effect (local)	Chronic effect (systemic)
Poly(dimethylsiloxane) 63148-62-9	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

Predicted No Effect Concentration (PNEC)

No data available.

Engineering Controls

- Ensure adequate ventilation, especially in confined areas.
- Ensure that eyewash stations and safety showers are close to the workstation location.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Set up emergency exit and necessary risk-elimination area.

Personal protection equipment

Eye protection

Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US)).

Hand protection

Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.

Respiratory protection

If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.

Skin and body protection

Wear fire/flame resistant/retardant clothing and antistatic boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of Measurement	Typical Value
Appearance	-	Milky white Liquid
Odour	-	No data available
pH	-	6.0-9.0
Boiling point	°C	No data available
Melting point	°C	No data available
Flash point	°C	No data available
Flammability	-	No data available
Autoignition Temperature	°C	No data available
Decomposition Temperature	°C	No data available

Property	Unit of Measurement	Typical Value
Lower/Upper Flammability Limits	%V	No data available
Density @ 20°C	Kg/L	No data available
Specific Gravity @ 20°C	-	0.95-1.05
Viscosity @ 25°C	cps	20-200
Vapor pressure @ 20°C	kPa	No data available
Vapor density	kPa (Air = 1)	No data available
Evaporation Rate	(n-Butyl acetate = 1)	No data available
Water Solubility	-	No data available
Solubility in other solvents Partition coefficient	(n-octanol/water)	No data available
Coefficient of Thermal Expansion	per Deg C	No data available
Particle characteristic	-	No data available
Active content	%	About 50

The values listed are indicative of this product’s physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Reactivity

Contact with incompatible substances can cause decomposition or other chemical reactions.

Chemical stability

Stable under proper operation and storage conditions.

Possibility of hazardous reactions

No data available.

Conditions to avoid

Incompatible materials, heat, flame and spark.

Incompatible materials

No data available.

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

No data available.

ATEmix (oral): No data available.

ATEmix (inhalation): No data available.

ATEmix (Dermal): No data available.

Carcinogenicity

ID	Cas No.	Component	IARC	NTP
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1	63148-62-9	Poly(dimethylsiloxane)	Not Listed	Not Listed
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Information on other hazards

Endocrine disrupting properties: The mixture does not contain endocrine disruptor.

Other information

No data available.

12. ECOLOGICAL INFORMATION

Acute aquatic toxicity

No data available.

Chronic aquatic toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

Component	CAS No.	Results of PBT and vPvB assessment (according to (EC) No 2015/830)
Poly(dimethylsiloxane)	63148-62-9	Not PBT/vPvB

Endocrine disrupting properties

The mixture does not contain endocrine disruptors.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste chemicals

Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.

Contaminated packaging

Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN. Number	Not Regulated	UN. Number	Not Regulated	UN. Number	Not Regulated
Class/Item	Not Regulated	Class/Item	Not Regulated	Class/Item	Not Regulated
Hazard Symbol	Not Regulated	Hazard Symbol	Not Regulated	Hazard Symbol	Not Regulated
Proper Shipping Name	Not Regulated	Proper Shipping Name	Not Regulated	Proper Shipping Name	Not Regulated
Packing Group	Not Regulated	Packing Group	Not Regulated	Packing Group	Not Regulated
		Marine Pollutant	Not Regulated		

15. REGULATORY INFORMATION**International chemical inventory**

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Poly(dimethylsiloxane)	x	√	√	√	√	√	√	√	x

EINECS: European Inventory of Existing Commercial Chemical Substances

TSCA: United States Toxic Substances Control Act Inventory

DSL: Canadian Domestic Substances List

IECSC: China Inventory of Existing Chemical Substances

NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippines Inventory of Chemicals and Chemical Substances

KECI: Existing and Evaluated Chemical Substances

AICS: Australia Inventory of Chemical Substances

ENCS: Existing And New Chemical Substances

European chemical inventory

Component	A	B	C	D	E	F	G
Poly(dimethylsiloxane)	x	x	x	√	√	√	x

A: Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

B: Substances requiring authorisation under EU REACH regulation

C: Substances restricted under EU REACH

D: Pre-registered substances under EU REACH

E: Registered substances under EU REACH

F: Substance Evaluation – CoRAP under EU REACH

G: List of priority substances under EU water policy (Directive 2455/2001/EC)

Note

“√” Indicates that the substance included in the regulations

“x” That no data or included in the regulations

16. OTHER INFORMATION

National Fire Protection Association (USA) : No data available.

SDS Distribution : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty of guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.

Prepared By : Quality Control Department / Global Chemie ASCC Limited

Abbreviations:

CAS –Chemical Abstracts Service
CMR - Carcinogens, mutagens or substances toxic to reproduction
PC-STEL- Short term exposure limit
PC-TWA - Time Weighted Average
DNEL - Derived No Effect Level
IARC - International Agency for Research on Cancer
RPE - Respiratory Protective Equipment
PNEC –Predicted No Effect Concentration
LC50 - Lethal Concentration 50%
LD50 - Lethal Dose 50%
NOEC -No Observed Effect Concentration
EC50 - Effective Concentration 50%
PBT - Persistent, Bioaccumulative, Toxic
POW - Partition coefficient Octanol:Water
BCF - Bioconcentration factor (BCF)
vPvB - very Persistent, very Bioaccumulative
IMDG-International Maritime Dangerous Goods
ICAO/IATA-International Civil Aviation Organization/International Air Transportation Association
UN-The United Nations
ACGIH-American Conference of Governmental Industrial Hygienists
NFPA-National Fire Protection Association
OECD-Organization for Economic Co-operation and Development

References:

- Supplier Material Safety Data Sheets
 - [1]IPCS:The International Chemical Safety Cards (ICSC) ,website: <http://www.ilo.org/dyn/icsc/showcard.home>.
 - [2]IARC, website: <http://www.iarc.fr/>.
 - [3]OECD: The Global Portal to Information on Chemical Substances, website: http://www.chemportal.org/chemportal/index?pageID=0&request_locale=en.
 - [4]CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
 - [5]NLM:ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
 - [6]EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
 - [7]U.S. Department of Transportation:ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
 - [8]Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for

the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. No warranty and guarantee are expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product for further information, please contact Global Chemie ASCC Limited.