



SAFETY DATA SHEET

SILICONE EMULSION

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name:	SILICONE EMULSION
Recommended use:	Chemical for industry
Manufacturer/Supplier:	MODERN CHEMICAL CO.,LTD. 82/80 Soi Ekamai 22 (Nuannoi), Sukhumvit 63, Klong Tan Nuea, Watthana, Bangkok 10110
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2. HAZARDS IDENTIFICATION

Label elements

Pictogram



Signal word

Warning

Hazard statement(s):

1.) Causes serious eye irritation.

Precautionary statement(s):

1.) Avoid breathing spray.

2.) Wash hands thoroughly after contact.

3.) Use only outdoors or in a well-ventilated area.

4.) Wear eye protection/face protection.

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

6.) If eyes irritation persists: Get medical advice/attention.



3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: N/A

Ingredients	% (w/w)	CAS NO.
SILICONE EMULSION	100	160875-66-1

4. FIRST AID MEASURES

General advice:

In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation:

If breathed in, move person into fresh air. Consult a physician if these symptoms occur.

Skin contact:

Wash off with soap and plenty of water as a precaution. Consult a physician.

Eye contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens. If worn. Get medical attention immediately.

Ingestion:

If swallowed, induce vomiting. Consult a physician if these symptoms occur. Rinse mouth with water.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

None known. Not to fire.

Unsuitable Extinguishing Media:

None known. Not to fire.

Specific hazards arising from Chemicals:

Carbon oxides, silicon oxides, formaldehyde.

Special protective equipment for fire-fighters:

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment Follow safe handling advice and personal protective equipment recommendations.



Environmental precautions: Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

7. HANDLING AND STORAGE

Precautions for safe handling & Product Transfer:

See Engineering measures under Exposure controls/Personal protection section. Use only with adequate ventilation. Avoid inhalation of vapor or mist. Do not swallow. Do not get in eyes. Avoid prolonged or repeated contact with skin by referred to the assessment of workplace exposure. Handle in accordance with good industrial hygiene and safety practice. Keep container Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage& Unsuitable Materials:

Keep in properly labeled containers. Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: No substances with to exposure limits values while working.

Appropriate Engineering Controls: Process may from hazardous compounds (See Section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Individual Protection Measures

Respiratory protection: Use protective respiratory, if inadequate ventilation or there is an assessment



that exposure is with the recommended range.

Hand protection:

Chemical-resistant gloves.

Eye protection:

Wear the following personal protective equipment: Use safety glasses.

Skin and body protection:

Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Hygiene measures:

Ensure that eyewash stations and safety showers are close to the workstation location. Eating drinking water and Smoking, is forbidden in the workplace. Clean up contaminated clothing before reuse. These precautions are used for room temperature applications. High temperature operation or spray/spit may require additional caution. For more information about of the silicone/biological oils, spray application for consumers. Please refer to the guidance document about the use of this material in the spray for consumers developed by the silicone industry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor : liquid, white, odorless	Evaporation rate : N/A
Melting Point : N/A	Specific gravity : 0.980 – 1.000
pH : N/A	Solubility in water : N/A
Boiling point : >35 °C	Viscosity : <100 mPa.s
Vapour pressure : N/A	Vapour density : N/A
Lower explosive limits : N/A	Upper explosive limits : N/A
Auto-ignition temperature : The substance or mixture is not classified as pyrophoric. The substance or mixture is not classified as self heating.	Flash Point : >101.1°C
Odour threshold : N/A	Flammability (solid, gas) : Not applicable
Decomposition temperature : N/A	Solubility in other solvents : N/A
n-octanol/water partition coefficient (log P_{ow}) : N/A	

10. STABILITY AND REACTIVITY**Chemical stability:**

Stable under normal conditions.

Reactions:

Not classified as a reactivity hazard.



Possibility of hazardous reactions:	Can react with strong oxidizing agents. When heated to temperatures above 150°C (300°F) in the presence of air, product can form formaldehyde vapors. Adequate ventilation is required. Hazardous decomposition products are formed at elevated temperatures.
Conditions to avoid:	None known.
Materials to avoid:	Oxidizing agents.
Hazardous decomposition products:	Formaldehyde.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50 (Oral, rat): >5,000 mg/kg
Sensitization:	No irritation to skin, causes serious eye irritation.
Sign chronic toxicity:	Not classified based on available information.
Further toxicological information:	No data available.

12. ECOLOGICAL INFORMATION

Toxicity:	
Toxicity to fish:	No data available.
Toxicity to daphnia and other aquatic invertebrates:	
	EC50 - Daphnia magna (Water flea): >10 - 100 mg/l - 48h
Toxicity to algae:	EC50 - Desmodesmus subspicatus (Green alga): >10 - 100 mg/l-72h
Toxicity to bacteria:	No data available.
Biodegradability Remarks:	Readily biodegradable.
Bioaccumulative Potential:	No data available.
Mobility:	No data available.
Affected in any other way:	No data available.

13. DISPOSAL CONSIDERATIONS

Material Disposal:	Dispose in accordance with local regulations.
Container Disposal:	Empty containers should be sent to the approved waste management facility, recycle or dispose. Dispose of unused product. If not specified otherwise.



14. TRANSPORT INFORMATION

ADR/RID

Not regulated as a dangerous good

IMDG

Not regulated as a dangerous good

IATA

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code

Not application for product as supplied.

15. REGULATORY INFORMATION

Regulatory/Safety of laws/ Health and environmental regulation for substances and mixture

Hazardous Substance Act B.E. 2535

: Acetic acid

Emergency Decree on Controlling the Use of Volatile Substances B.E. 2533

: Not applicable

The ingredients of this product are reported in the following inventories:

NZIoC : All ingredients listed or exempt.

AICS : All ingredients listed or exempt.

IECSC : All ingredients listed or exempt.

ENCs/ISHL : All components are listed on ENCS/ISHL or exempted from inventory listing.

KECI : All ingredients listed, exempt or notified.

PICCS : All ingredients listed or exempt.

DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

TSCA : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA inventory exemption.

TCSI : All ingredients listed or exempt.



16. OTHER INFORMATION

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