

# Material Safety Data Sheet

PRODUCT NAME

SPAZERO SP-500

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## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Identity (Trade Name As Used On Label); SPAZERO SP-500

Recommended use of the chemical and restrictions on use; Anti-spatter Agent

Manufacturer/Supplier/Distributor Information;

Name; NABAKEM CORPORATION

Address; / 81, Bongjae-gil 63Beon-gil, Dunpo-myeon, Asan-si, Chungcheongnam-do, 31411 Korea


Emergency phone number; TEL : 82 41 531 7992~6 FAX : 82 41 534 7991

## SECTION 2. HAZARDS IDENTIFICATION

Hazard · Risk Classification

Hazard Class	Hazard category
Serious eye damage/eye irritation	2

GHS label elements, including precautionary statements

Category	Indication
Symbol	
Signal word	Warning
Hazard · Risk Statement	H319 Causes serious eye irritation.
Precautionary statements	<b>Prevention</b> P264 Wash ... thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection.
	<b>Response</b> P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.
	<b>Storage</b> (Note: Please keep sealed.)
	<b>Disposal</b> P501 Dispose of contents/container to... in accordance with local/regional/national/international regulations (to be specified).

Other hazards which do not result in classification : No information found

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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CHEMICAL NAME	OTHER NAME	CAS NUMBER	Content (%)
Polydimethylsiloxane, modified(emulsion in water)	-	63148-62-9	1~10
Alcohols, C12-14, Ethoxylated	-	68439-50-9	0.1~1
Water	-	7732-18-5	85~95

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## SECTION 4. FIRST AID MEASURES

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**Eye contact;** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Skin contact;** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

**Inhalation;** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

**Ingestion;** Call medical doctor or poison control center immediately. Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Indication of immediate medical attention and notes for physician;** Consult a physician. Show this safety data sheet to the doctor in attendance

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## SECTION 5. FIRE-FIGHTING MEASURES

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**Suitable (and unsuitable) extinguishing media;** Use water spray to keep fire exposed containers cool. If substance does ignite, use CO<sub>2</sub>, dry chemical or foam.

**Specific hazards arising from the chemical (e.g. nature of any hazardous combustion products);** No information found

**Special protective equipment and precautions for fire fighters;** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Combustion by-products include phosgene and hydrogen chloride gases. Structural firefighters' clothing provides only limited protection to the combustion products of this material.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions, protective equipment and emergency procedures;** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

**Environmental precautions and protective procedures;** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and materials for containment and cleaning up;** Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

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## SECTION 7. HANDLING AND STORAGE

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**Precautions for safe handling;** Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Conditions for safe storage (including any incompatibilities);** Store in accordance with local regulations. Store in original container, protected from direct sunlight. Keep container tightly closed and sealed until ready for use.

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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Control parameters (e.g. occupational exposure limit values, biological limit values);** No information found

**Engineering controls;** Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Personal protective equipment;**

- **Eye / face protection;** Chemical goggles are recommended. Face-shield. Provide eyewash station and safety shower.
- **Skin protection;** Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear protective gloves.
- **Respiratory protection;** Wear positive pressure self-contained breathing apparatus (SCBA). When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

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## SECTION 9. PHYSICAL / CHEMICAL CHARACTERISTICS

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**Appearance;** White liquid

**Odor;** odorless

**Odour threshold;** No information found

**pH;** No information found

**Melting point/freezing point;** No information found

**Initial boiling point and boiling range;** 100°C

**Flash point;** No information found

**Evaporation rate;** No information found

**Flammability (solid, gas);** No information found

**Upper/lower flammability or explosive limits;** No information found

**Vapour pressure;** No information found

**Vapour density;** No information found

**Specific Gravity (H<sub>2</sub>O = 1);** 1.00 ± 0.05

**Relative density;** No information found

**Solubility(ies);** Solution

**Partition coefficient; n-octanol/water;** No information found

**Auto-ignition temperature;** No information found

**Decomposition temperature;** No information found

**Viscosity;** No information found

**Molecular Weight;** No information found

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## SECTION 10. STABILITY AND REACTIVITY

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**Chemical stability and possibility of hazardous reactions;** Stable under ordinary conditions of use and storage

Conditions to avoid (e.g. static discharge, shock or vibration, etc); Can be frozen when keep many long hours in 0°C low.

Incompatibility (Materials to Avoid); Strong oxidizing agents

Hazardous Decomposition Products; No information found

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## SECTION 11. TOXICOLOGICAL INFORMATION

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Polydimethylsiloxane, modified(emulsion in water);

Information on the likely routes of exposure; No information found

Acute toxicity

– Oral; LD50 > 17000 mg/kg Rat

– Dermal; LD50 > 2000 mg/kg Rabbit

– Inhalation; No information found

Skin corrosion/irritation; No information found

Serious eye damage/irritation; No information found

Respiratory or skin sensitization; No information found

Germ cell mutagenicity; No information found

Carcinogenicity; No information found

Reproductive toxicity; No information found

Specific target organ toxicity (single exposure); No information found

Specific target organ toxicity (repeated exposure); No information found

Aspiration hazard; No information found

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## SECTION 12. ECOLOGICAL INFORMATION

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Aquatic and terrestrial ecotoxicity; No information found

Persistence and degradability; No information found

Bioaccumulative potential; No information found

Mobility in soil; No information found

Other adverse effects; No information found

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## SECTION 13. DISPOSAL CONSIDERATION

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Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste

management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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## SECTION 14. TRANSPORT INFORMATION

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### Transport by sea IMDG-Code

Valuation; Not regulated for transport

Other Information; Protect from freezing, when exposed to cold temperatures approaching 0 °C (32 °F) or below.

### Air transport ICAO-TI/IATA-DGR

Valuation; Not regulated for transport

Comment; Due to safety reasons no air transport of inner packagings > 1kg

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## SECTION 15. REGULATORY INFORMATION

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Follow all regulation in your country

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## SECTION 16. OTHER INFORMATION

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**Issuing date;** 2016.09.06.

**Revision number and date;** 2019.10.18

**Others;** This information has been faithfully prepared on the basis of various knowledge and information and is not to guarantee the quality of this product. Also, this information can be changed without prior notice in accordance with introduction of new knowledge and test results, etc. For inquiries, please contact us or the place of product purchase.