



Detac KP25 Safety Data Sheet

SECTION 1: Identification of the substance or mixture and the company or undertaking

1.1 Product identifier

Product Type : **POTASSIUM STEARATE DISPERSION**
: **Aqueous palm-based potassium stearate dispersion, high solubility**
Trade Name : Detac KP25
Chemical Name : Potassium Stearate
CAS Number : 593-29-3
EC Number : 209-786-1

1.2 Recommended and restricted uses of the substance or mixture

Recommended uses : This product is used as a former release agent for glove production
Restricted uses : None known.

1.3 Company identification

Company name : M&G Mixing Technologies Sdn Bhd
Company address : PT51682, Hala Jati 9, Kawasan Perindustrian Taman Meru,
: Jelapang, 30020 Ipoh, Perak
Company telephone : 605-525 2428 (Fax: 605-528 4648)
Company Website : www.mgmixing.com.my
Email Address : sales@mgmixing.com.my
: qcdept@mgmixing.com.my (for QC matters)

1.4 Emergency telephone number

Company emergency telephone : 605-525 2428

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC)
No. 1272/2008 [CLP] : Not Classified
Physical hazard : Not Classified
Health hazard : Not Classified
Environmental hazard : Not Classified



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2.2 Label warnings of the substance or mixture

Signal word : None
 Hazard statements : None
 Hazard symbol (Pictogram) : None

Precautionary statements:

P261 : Avoid breathing dust / fume/ gas/vapors/ spray
 P264 : Wash skin thoroughly after handling
 P280 : Wear protective gloves/ eyes & face protection
 P302 + P352 : If on skin, wash with plenty of soap and water
 P305 + P351 + P338 : If on eyes' rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.

2.3 Hazards not otherwise classified

Other hazards : No additional information available.

SECTION 3: Composition / information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Name	CAS Number	%	Classification according to (EC) No.1272/2008 [CLP] Regulation
Potassium stearate	593-29-3	20 - 23	None
Non-ionic surfactant		3 - 4	Acute Toxicity 4 (Oral), H302 Eye Dam. 1, H318
Water		74 - 76	

SECTION 4: First-aid measures

4.1 Description of first-aid measures

Exposure route	First-aid measure
Inhalation	: Remove the victim into fresh air. Observe victim's breathing. If breathing is labored seek immediate medical attention.
Skin contact	: Wash immediately with soap and water. If irritation occurs, seek
Eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses if present and easy to do. If irritation persists, seek immediate medical (ophthalmologist) attention.



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Ingestion : Rinse mouth with plenty of water. For ingestion of large quantities seek immediate medical attention. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms after inhalation : May experience dizziness and headache.
: Irritation of the nose and throat.

Symptoms after skin contact : Mild irritation of the skin may occur.

Symptoms after eye contact : Irritation of the eye tissue.
: May cause corneal inflammation.

Symptoms after ingestion : Mild tingling of the tongue and mouth.
: May cause gastrointestinal irritation, nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment after inhalation : If breathing is labored seek immediate medical attention.

Treatment after skin contact : If skin irritation persists seek immediate medical attention.

Treatment after eye contact : If eye irritation persists seek immediate ophthalmologist attention.

Treatment after ingestion : If ingestion of a large quantity seek immediate poison control center.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable media : Carbon dioxide, alcohol resistant foam and water spray.

Unsuitable media : None known.

5.2 Specific hazards arising from the substance or mixture

Direct fire hazard : Not flammable.

Indirect fire hazard : Not flammable

Explosive hazard : None

Re-activity : Re-activity with strong oxidizers.

Combustion products : Carbon dioxide and carbon monoxide.



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5.3 Special protective equipment and precautions for fire-fighters

Protective equipment	: Full protective clothing. : Self-contained breathing apparatus.
Precautions	: No additional information.
Emergency response guide	: Not a hazardous material.
Methods for containment	: Prevent further leakage or spillage to do so. Dike to collect large liquid spills
Method for cleaning up	: Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	: Mixture is an irritant. If mixture is a hot mist or dust, stay upwind.
Protective equipment	: Wear rubber gloves, rubber boots, face shield and chemical hazard suit. If material is a hot mist or dust wear dust mask or self-contained breathing apparatus.
Emergency procedures	: Dike spillage. Pick up with suitable absorbent material. Place in appropriately labeled waste containers. Keep away from streams, rivers and lakes.

6.2 Environmental precautions

Precautions	: Do not discharge into drains/surface waters/groundwater.
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6.3 Methods and materials for containment and cleanup

Methods	: Use chemical absorbent pillows or manually spread chemical absorbent onto spill area. After the mixture is absorbed, dispose in approved waste facility.
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling temperature	: Maximum (140°C) or lower temperatures. DO NOT ALLOW TO FREEZE.
Handling equipment	: Rubber hoses or stainless steel or PP drum pumps. Eg: Lutz Pumps for drums



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7.2 Conditions for safe storage, including any incompatibilities

Storage area	: Store in dry area. Store at room temperature. Store in dyke area to contain any spills. Protect from heat.
Packaging materials	: Polyethylene, stainless steel, rubber lined or epoxy lined tanks or drums. Graphite or rubber gaskets.
Incompatibilities	: Strong oxidizers and strong acids

SECTION 8: Exposure controls/personal protection

8.1 Exposure controls

OSHA PEL	: None.
ACGIH TLV	: None
NIOSH REL	: None.

8.2 Appropriate engineering controls

Engineering controls	: Local exhaust ventilation is recommended. Eyes wash stations Showers
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8.3 Personal protection equipment

Personal protective equipment	: Rubber gloves and safety glasses, if splash exists wear shield
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Personal protective equipment pictograms



SECTION 9: Physical and chemical properties

9.1 Physical and chemical properties

Appearance	: White, semi translucent watery paste
Odor	: Mild
Odor threshold	: No data available.
pH (3%)	: 9.5 - 13.5
Melting point	: N/A.
Boiling point	: Approximately 100°C.
Evaporation rate	: No data available.
Flammability	: Not flammable.
Lower flammability limit	: No data available.
Upper flammability limit	: No data available.



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Vapor pressure	: No data available.
Vapor density	: No data available.
Solubility	: Dispersible in water.
Partition coefficient for n-octanol/water	: No data available.
Auto-ignition temperature	: Based upon the water content the product does not ignite.
Decomposition temperature	: No data available.
Viscosity	: < 10,000 cps
Specific Gravity	: <1.0
Total Solids Content	: 25% (+/-2.0)

SECTION 10: Stability and reactivity

Re-activity	: Stable under normal conditions.
Chemical stability	: Stable under storage conditions.
Possibility of hazardous reaction	: Hazardous polymerization does not occur.
Conditions to avoid	: None known
Incompatible materials	: Oxidizers and strong bases.
Hazardous decomposition	: None under normal conditions

SECTION 11: Toxicological information

11.1 Information on the likely routes of exposure

Inhalation exposure	: From vapour
Skin exposure	: From spilled during handling/usage
Ingestion exposure	: Not a likely route of exposure.
Eye contact	: From mist or dust

11.2 Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: Inhalation of vapors in high volume may cause irritation of respiratory system
Skin contact	: Mild skin irritation may occur.
Ingestion	: Mild irritation of the mouth, tongue, esophagus and stomach may occur.
Eye contact	: Mild eye irritation may occur.



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11.3 Delayed and immediate effects and also chronic effects from short and long term exposure

Inhalation	: Chronic effects are not known.
Skin contact	: Chronic effects are not known.
Ingestion	: Chronic effects are not known.
Eye contact	: Chronic effects are not known.

11.4 Numerical measures of toxicity

Oral LD50	: Rat > 5000mg/kg. No mortality was observed. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Skin LD50	: Guinea pig > 3000mg/l. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Inhalation LC50	Ingestion LD50: Virtually nontoxic after a single ingestion. : Rat > 200mg/l (1 hr). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Skin primary irritation	: Rabbit. Result: non-irritant. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Eye primary irritation	: Rabbit. Draize test result: slightly irritating. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

11.5 Carcinogenicity

National Toxicology Program	: Not listed.
International Agency for Research on Cancer	: Not listed.
OSHA	: Not listed.
NIOSH	: Not listed.

11.6 Other toxicological information

Reproductive toxicity	: Not classified.
Germ cell mutagenicity	: Not classified.
Respiratory or skin sensitization	: Not classified.
Specific target organ toxicity, single exposure	: No data available.
Specific target organ toxicity, repeated exposure	: No data available.
Aspiration hazard	: No data available.



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SECTION 12: Ecological information

12.1.1 Ecotoxicity aquatic

Ecotoxicity : Not classified as dangerous to environment
Persistence and Degradability : No information available
Bio-accumulation : No data available.
Other effects : No information available

12.1.2 Ecotoxicity terrestrial

Avian LC50 : No data available

12.2 Persistence and degradability

Water : Readily biodegradable (according to OECD criteria). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.
Soil : No data available.
Air : No data available.

12.3 Bio-accumulative potential

Log K_{ow} : No data available.

12.4 Mobility in soil

Surface tension : No data available.
Soil mobility : No data available.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment : No data available.

12.6 Other adverse effects

Air : Not dangerous to the ozone layer.
Water : None.

SECTION 13: Disposal considerations

Disposal Method : Dispose of material in accordance with federal and local regulations.
Precautions for disposal : Prevent material from entering drains, sewers, streams etc.



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SECTION 14: Transport information

14.1 UN number

UN number : None.

14.2 UN proper shipping name

Proper shipping name : None.

14.3 Transport hazard class

Hazard class : None.

Hazard label : None.

Hazard pictogram : None.

14.4 Packing group

Packing group : None.

14.5 Environmental hazards

Marine pollutant : Not listed.

14.6 Transport in bulk

US DOT : Not regulated.

IMDG : Not regulated.

IATA : Not regulated.

MARPOL 73/78 : Not regulated.

IBC code : Not regulated.

14.7 Special precautions for user

Special precautions : No additional information available.



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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the substance or mixture

15.1.1 US regulations

SARA 302 (40CFR355)	: Not listed.
SARA 311/312 (40CFR370.66)	: Not listed.
SARA 313 (40CFR372.65)	: Not listed.
CERCLA (40CFR302.4)	: Not listed.
California proposition 65	: Not listed.

15.1.2 Chemical inventories

TSCA USA	: Listed.
AICS Australia	: Listed.
DSL Canada	: Listed.
EC Europe	: Listed.
ECL Korea	: Listed.
IECSC China	: Listed.
ENCS Japan	: Listed.
NzloC New Zealand	: Listed.
PICCS Philippines	: Listed.
German WGK class	: 1 (low hazard to waters)

15.2 Chemical safety assessment

Safety assessment

SECTION 16: Other information

Revision date (DD/MM/YYYY) : 19/01/2026 (Rev6)
Supersede version (DD/MM/YYYY) : 29/08/2025 (Rev5)

Disclaimer:

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