

Safety Data Sheet KMPS (Powder form)

1. Identification

1.1. Product identifier

Product Identity

KMPS (Powder form)

Alternate Names

EPA Registration Number: 92589-1, KMPS (Powder form)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

Disinfectant & Cleaning agents.

1.3. Details of the supplier of the safety data sheet

Company NameEnVyss, LLC
P. O. Box 907
Blue Ridge, GA 30513**Emergency**

INFOTRAC 24/7/365 at 800-535-5053

Customer Service: EnVyss, LLCTelephone: 770-934-4242
Email: info@envyss.com

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Acute Tox. 4;H302

Harmful if swallowed.

Skin Corr. 1B;H314

Causes severe skin burns and eye damage.

2.2. Label elements

**Danger**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

[Prevention]:

P260 Do not breathe dust, fume, mist, vapors or spray.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves, eye protection, face protection.

[Response]:

P301+312 IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.

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P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P304+312 IF INHALED: Call a poison center or doctor or physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P330 IF SWALLOWED: Rinse mouth.

P331 Do NOT induce vomiting.

P363 Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]:

P501 Dispose of contents or container in accordance with local and national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Pentapotassium bis(peroxymonosulphate) bis(sulphate) CAS Number: 0070693-62-8	25 - 50	Acute Tox. 4;H302 Skin Corr. 1B;H314	----
sodium dodecylbenzenesulfonate CAS Number: 0025155-30-0	10 - 25	Acute Tox. 4;H302 Acute Tox. 4;H312 Eye Dam. 2A;H319 Skin Irrit. 2;H315	----
Sulphamic acid CAS Number: 0005329-14-6	5 - 10	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Aquatic Chronic 3;H412	----
Dead Sea Salts CAS Number: 0007647-14-5	1 - 5	Not Classified	----

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

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Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
4.2. Most important symptoms and effects, both acute and delayed	
Overview	No specific symptom data available. Treat symptomatically. Check section 2.2 (GHS Label Elements) for further details.
Skin	Causes severe skin burns and eye damage.
Ingestion	Harmful if swallowed.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Water, Dry Powder (Sand or Met-L-X), Carbon Dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Under certain extreme conditions sulphur dioxide & chlorine may be generated if the powder is allowed to become moist.

Do not breathe dust, fume, mist, vapors or spray.

5.3. Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

KMPS itself is not flammable or oxidizing but may assist combustion of other materials under exceptional circumstance.

Evacuate personnel to a safe area. Wear self-contained breathing apparatus (SCBA) & full protective equipment. When heated above 70°C, decomposes with evolution of corrosive gas (SO₂) Sulphur dioxide.

ERG Guide No. 171

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Sweep up carefully preferable with the aid of a suitable dry anti dusting agent if available. Place in suitable containers for disposal. Prevent powder from becoming moist while awaiting disposal, if possible. Moist product awaiting disposal must be kept away from combustible material & stored in a manner that allows suitable ventilation of the waste.

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Section 7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Avoid inhalation. Do not get in eyes and avoid contact with skin. Wear Personnel Protective Equipment in accordance with section 8. Handle with sufficient care to prevent dust generation.

The use of L.E.V may be required when handling the powder transfer in bulk form (Bulk Quantities).

When Handling bulk stock then always use to wear suitable dust mask, cap and gloves.

Check section 2.2 (GHS Label Elements) for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Not Defined

Incompatible materials: Incompatible with strong alkalis. In contact with halogen salts (e.g. KCl, KBr, K₂CO₃, NaCl). KMPS may react to release toxic halogen gases, such as chlorine, bromine & iodine.

Check section 2.2 (GHS Label Elements) for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

Section 8. Exposure controls / personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0005329-14-6	Sulphamic acid	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0007647-14-5	Dead Sea Salts	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0025155-30-0	sodium dodecylbenzenesulfonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
0070693-62-8	Pentapotassium bis(peroxymonosulphate) bis(sulphate)	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m³ (50 mppcf*) TWA, ACGIH 10 mg/m³.

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8.2. Exposure controls

Respiratory	Where a health and Safety assessment shows the dusting levels to be sufficiently high when handling powder product, wear a NIOSH approved respiratory mask against fine particles. Respiratory protection is not normally considered necessary when handling solutions of diluted product. However, when working with spray mists of KMPS respiratory protection in the form of NIOSH approved respirator unit in conjunction with an organic vapor- fine particle filter cartridge.
Eyes	Protective safety glasses recommended
Skin	Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.
Engineering Controls	Appropriate Local Exhaust Ventilation may be necessary for handling the product where dust formation is a problem, i.e. product in bulk quantities, or operations in small and/or poorly ventilated areas. Not normally necessary for preparation of solutions from small pack sizes (10lb or less). Control Parameters: Respirable dusts - 10mg/m ³ 8 hr T.W.A Potassium Persulfate - 1mg/m ³ 8 hr T.W.A
Other Work Practices	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Check section 2.2 (GHS Label Elements) for further details.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Color: Off white to Orange Solid (Powder) Physical State: Solid
Odor	Perfume
Odor threshold	Not determined
pH	(1% Solution) (2.1-2.5)
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Decomposes on heating
Flash Point	Not Measured
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Relative Density	(0.900-1.30)
Solubility in Water	(water at 27°C): Approximately 1g/100ml
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured

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Decomposition temperature

Not Measured

Viscosity (cSt)

Not Measured

9.2. Other information

No other relevant information.

Section 10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

In exceptional cases KMPS may support combustion: avoid contact with combustible materials.

10.5. Incompatible materials

Incompatible with strong alkalis. In contact with halogen salts (e.g. KCl, KBr, KI, NaCl). KMPS may react to release toxic halogen gases, such as chlorine, bromine & iodine.

10.6. Hazardous decomposition products

Under certain extreme conditions sulphur dioxide & chlorine may be generated if the powder is allowed to become moist.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Pentapotassium bis(peroxymonosulphate) bis(sulphate) - (70693-62-8)	1,204.00, Rat - Category: 4	No data available	No data available	No data available	No data available
sodium dodecylbenzenesulfonate - (25155-30-0)	650.00, Rat - Category: 4	No data available	No data available	No data available	No data available
Sulphamic acid - (5329-14-6)	2,140.00, Rat - Category: 5	>2,000.00, Rat - Category: 5	No data available	No data available	No data available
Dead Sea Salts - (7647-14-5)	No data available	> 10,000, Rabbit - Category: NA	No data available	No data available	No data available

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Carcinogen Data

CAS No.	Ingredient	Source	Value
0005329-14-6	Sulphamic acid	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0007647-14-5	Dead Sea Salts	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0025155-30-0	sodium dodecylbenzenesulfonate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0070693-62-8	Pentapotassium bis(peroxymonosulphate) bis(sulphate)	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1B	Causes severe skin burns and eye damage.
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Section 12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

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Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Pentapotassium bis(peroxymonosulphate) bis(sulphate) - (70693-62-8)	53.00, Oncorhynchus mykiss	3.50, Daphnia magna	0.556 (72 hr), Algae
sodium dodecylbenzenesulfonate - (25155-30-0)	10.00, Danio rerio	2.50, Daphnia magna	65.40 (72 hr), Pseudokirchneriella subcapitata
Sulphamic acid - (5329-14-6)	70.30, Pimephales promelas	71.60, Daphnia magna	48.00 (72 hr), Desmodesmus subspicatus
Dead Sea Salts - (7647-14-5)	5,840.00, Lepomis macrochirus	4,136.00, Daphnia magna	4,800.00 (72 hr), Ankistrodesmus falcatus

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN3077	UN3077	UN3077
14.2. UN proper shipping name	UN3077, Environmentally hazardous substances, solid, n.o.s. (SODIUM DODECYLBENZENE SULFONATE), v, 9, III	Environmentally hazardous substances, solid, n.o.s., (SODIUM DODECYLBENZENE SULFONATE)	Environmentally hazardous substances, solid, n.o.s., (SODIUM DODECYLBENZENE SULFONATE)

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14.3. Transport hazard class(es)	DOT Hazard Class: 9 Sub Class: Not Applicable	IMDG: 9 Sub Class: Not Applicable	Air Class: 9 Sub Class: Not Applicable
14.4. Packing group	III	III	III

14.5. Environmental hazards

IMDG Marine Pollutant: No;

14.6. Special precautions for user**Additional Information**

8, 146, 335, N20

When in individual containers of less than the Product RQ this material ships as non-regulated

RQ: 6667 lbs

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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Section 16. Other information

SDS Revision Date 02/13/2021

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

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