

1 Identification

- **Product identifier**
- **Trade name:** Dipotassium Phosphate
- **Article number:**
SYNONYMS: Dibasic potassium phosphate, dipotassium monophosphate, dipotassium phosphate, dipotassium acid phosphate, secondary potassium phosphate, Dipotassium orthophosphate; DKP
- **CAS Number:**
7758-11-4
- **EC number:**
231-834-5
- **Application of the substance / the mixture**
Specialty fertilizer, automotive antifreeze formulations, nutrient for antibiotics, pharmaceuticals, food ingredient.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Aditya Birla Chemicals (Thailand) Ltd. (Phosphates Division)
77 Moo 6 Soi Sukhaphiban 1, Poochao Saming Prai Road, Samrong, Phrapradaeng, Samutprakarn 10130 Thailand
Telephone: +66 (0) 27042100
Fax : +66 (0) 2398 0774
Website: www.adityabirlachemicals.com
- **Information department:**
Customer Service Department - Aditya Birla Chemicals (Thailand) Ltd.
Contact: Ms. Sarintip Kritkasarn
e-mail: sarintip.kritkasarn@adityabirla.com
- **Emergency telephone number:**
During normal opening times: +66-2-7042100
Fax (Factory): +66-23980774



2 Hazard(s) Identification

- **Classification of the substance or mixture**
This product is not considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
The substance is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**
7758-11-4 Dipotassium Phosphate
- **Identification number(s)**
- **EC number:** 231-834-5
- **Additional information:**
Substance name: Value(s) / CAS no. / EINECS no.
Sodium Metabisulfite: 90% / 7681-57-4 / 231-673-0
Synonyms: Sodium metabisulfite; Sodium pyrosulphite; Disodium pyrosulphite; Sodium disulphite; Disodium pentaoxodisulfate.

4 First-Aid Measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and Storage

- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in cool, dry conditions and well ventilated area.
- **Information about storage in one common storage facility:** Keep packaging closed when not in use.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Powder
Color:	White and/or Pink
- **Odor:** Odorless
- **Odour threshold:** Not determined.
- **pH-value (10 g/l) at 20 °C (68 °F):** 8.7 - 9.4
- **Change in condition**

Melting point/Melting range:	>1100 °C (>2012 °F)
Boiling point/Boiling range:	Undetermined.

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· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Auto igniting:	Not determined.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F):	1.3 g/cm ³ (10.849 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and Reactivity

- Reactivity**
- Chemical stability**
- Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- Possibility of hazardous reactions** No dangerous reactions known.
- Conditions to avoid** No further relevant information available.
- Incompatible materials:** No further relevant information available.
- Hazardous decomposition products:**
 - Phosphorus oxides (e.g. P₂O₅)
 - Potassium Oxide

11 Toxicological Information

- Information on toxicological effects**
- Acute toxicity:**
- Primary irritant effect:**
- on the skin:** May cause slight temporary irritation., on contact with skin.
- on the eye:** Irritating effect.
- Sensitization:** No sensitizing effects known.
- Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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The substance is not subject to classification.

- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)** Substance is not listed.
- **NTP (National Toxicology Program)** Substance is not listed.
- **OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal Considerations (non-mandatory)

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport Information (non-mandatory)

· UN-Number	
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Not restricted for transport
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	
· Marine pollutant:	No
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not regulated for transport.

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- UN "Model Regulation": -

15 Regulatory Information (non-mandatory)

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- *Sara*
- *Section 355 (extremely hazardous substances): Substance is not listed.*
- *Section 313 (Specific toxic chemical listings): Substance is not listed.*
- *TSCA (Toxic Substances Control Act): Substance is listed.*
- *Proposition 65*
- *Chemicals known to cause cancer: Substance is not listed.*
- *Chemicals known to cause reproductive toxicity for females: Substance is not listed.*
- *Chemicals known to cause reproductive toxicity for males: Substance is not listed.*
- *Chemicals known to cause developmental toxicity: Substance is not listed.*
- *Carcinogenic categories*
- *EPA (Environmental Protection Agency) Substance is not listed.*
- *TLV (Threshold Limit Value established by ACGIH) Substance is not listed.*
- *NIOSH-Ca (National Institute for Occupational Safety and Health) Substance is not listed.*
- *GHS label elements Void*
- *Hazard pictograms Void*
- *Signal word Void*
- *Hazard statements Void*
- *Chemical safety assessment: A Chemical Safety Assessment has not been carried out.*

16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS: Quality Control Department**

- **Contact:**

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- **Date of preparation / last revision** 06/02/2015 / -

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

- *** Data compared to the previous version altered.**

Revision Information: 01/2015, Sections 1, 2, 14 revised - Name, GHS and Transportation.

Revision Information: 02/2015, Section1, 2 revised - Name and NFPA.

Revision Information: 03/2015, Section 1, 3 revised - Synonyms and concentration/ percentage.