

Polymer Add (Thailand) Co; Ltd.



Safety Data Sheet

SODIUM SULPHATE (ANHYDROUS)

Revision date :

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NUMBER

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Chemical Name	Anhydrous Sodium Sulfate
CAS NO.	7757-82-6

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

- 1.NS-142 Increase the transparency of product and improves the surface gloss of products
- 2.NS-142 can be used for almost all HDPE Films, LDPE Films ,PP Sheet/Boards And Injection molding products.
- 3.NS-142 is added in ratio of 10% for blown film.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalarempriakiat, Lor 9, Soi 22, Yak
5,Nongbon, Prawet,Bangkok
Bangkok - 10250
Thailand
Telephone : 0804531391
Email - contact@polymeradd.co.th

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical and Chemical Hazards	Not a hazardous substance
Human Health	Not a hazardous substance
Environment	Not a hazardous substance

Not a hazardous substance or mixture according to EU Directives 67/548/EEC or 1999/45/EC

2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Label elements	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
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According to European Directive 67/548/EEC as amended	Not a hazardous substance
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2.3 Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component	1
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Chemical Name	Anhydrous Sodium Sulfate
CAS NO	7757-82-6
EC Number	231-820-9
Molecular Formula	Na ₂ SO ₄
Molecular Weight	142.04 g/mol
Concentration	Min. 99%

4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled	After inhalation: fresh air.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water/ shower.
In case of eye contact	rinse out with plenty of water. Remove contact lenses.
If swallowed	make victim drink water (two glasses at most). Consult doctor if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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5.2 Special hazards arising from the substance or mixture

Sulfur oxides, Sodium oxides : Not combustible.
Ambient fire may liberate hazardous vapours.

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

5.4 Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

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Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Tightly closed. Dry. Storage class (TRGS 510): 13: Non Combustible Solids

7.4 Specific end use(s)

None

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Respiratory protection

required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P1

Control of environmental exposure

Do not let product enter drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance

Form: crystalline Color: Crystalline white

b) Odour

odorless

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c)Odour Threshold	Not applicable
d)pH (% solution in water)	5-9 (1% Solution in water)
pH	5-9 (1% Solution in water) at 25 degrees C
e)Melting point/freezing point	884 Degrees C
f)Initial boiling point and boiling range	1,429 Degrees C
g)Flash point	Not applicable
h)Evaporation rate	No data available
i)Flammability (solid or gas)	The product is not flammable.
j)Upper/lower flammability or explosive limits	No data available
k)Vapour pressure	No data available
l)Vapour density	1,46 g/mL at 25 °C
m)Relative density	No data available
n)Water solubility	28.1 g/100 mL (25 Degrees C)
o)Partition coefficient: n-octanol/water	No data available
p)Autoignition temperature	No data available
q)Decomposition temperature	> 2000 degrees C
r)Viscosity	Product is Solid
s)Explosive properties	No data available
t)Oxidizing properties	None

9.2 Other safety information

Bulk Density	No data available
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10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	The product is chemically stable under standard ambient conditions (room temperature)
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	In the event of fire: see section 5

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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Acute oral toxicity	LD50 Oral - Rat - female - > 2.000 mg/kg (OECD Test Guideline 423)
Acute Inhalation toxicity	LC50 Inhalation - Rat - male and female - 4 h - > 2,4 mg/l - dust/mist (OECD Test Guideline 436)
Acute dermal toxicity	No data available
Acute Irritation / corrosion toxicity	No data available
Skin corrosion/irritation	Rabbit : Result: No skin irritation
Serious eye damage/eye irritation	Rabbit Result: slight irritation (OECD Test Guideline 405)
Respiratory or skin sensitization	Maximization Test - Guinea pig Result: negative (OECD Test Guideline 406)
Germ cell mutagenicity	Ames test : Test system: Salmonella typhimurium Metabolic activation: with and without metabolic activation Result: negative
Carcinogenicity	No data available
IARC	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data
Signs and symptoms of exposure	No data available
Route of exposure	No data available
Aspiration hazard	No data available
Potential health effects	No data available
Inhalation	No data available
Ingestion	No data available
Skin	No data available
Eyes	No data available
RTECS	No data available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 7.960 mg/l - 96 h
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Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 1.766 mg/l - 48 h
Toxicity to Algae/Aquatic plants	No data available
Toxicity to microorganisms	EC10 - Pseudomonas putida - > 1.000 mg/l - 16 h

12.2 Persistence and degradability

Biodegradation

The methods for determining the biological degradability are not applicable to inorganic substances.

12.3 Bio accumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher
12.6 Other adverse effects	Discharge into the environment must be avoided. (in analogy to similar compounds)

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID	IMDG	IATA
-	-	-

14.2 UN proper shipping name

ADR/RID	IMDG	IATA
Not dangerous goods	Not dangerous goods	Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID	IMDG	IATA
-	-	-

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14.4 Packaging group**ADR/RID****IMDG****IATA**

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14.5 Environmental hazards**ADR/RID****IMDG Marine pollutant****IATA**

No

No

No

14.6 Special precautions for user

None

15 REGULATORY INFORMATION**15.1 Safety health and environmental regulations/legislation specific for the substance or mixture**

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 Chemical Safety Assessment

No data available

16 OTHER INFORMATION**See under section 2****See under section 2****Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Dr J Pharmachem (India) and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.jpharmachem.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale

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