



BAZAN GROUP
GADIV PETROCHEMICAL
INDUSTRIES LTD

SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 1 of 18

In accordance with Regulation (EU) 2015/830(REACH), amended by 2020/878/EU

Section 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier

Product name:	PHTHALIC ANHYDRIDE
Chemical name:	Phthalic acid anhydride
Synonyms:	2-Benzofuran-1,3,-dione, Phthalic acid anhydride, 1,2-Benzene-dicarboxylic acid anhydride, Phthalandione
Trade Name:	PHTHALIC ANHYDRIDE
Chemical formula:	C ₈ H ₄ O ₃
Product type:	Anhydride of organic aromatic dicarboxylic acid
CAS number:	85-44-9
EC number:	201-607-5
REACH registration no(s):	01-2119457017-41-0021

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

Intended Use: an intermediate and as a monomer for polymer formation

Identified Uses:

Production of Substance
Use as an Intermediate
Use as a Monomer for Polymer Formation.
Use in Formulation, Mixture, Refilling and Loading.
Use as a Laboratory Chemical.

Uses advised against: This product is not recommended for any industrial, professional or consumer use other than the Identified Uses above.

1.3 Details of the supplier of the safety data sheet

Company/undertaking identification

Supplier/Manufacturer: GADIV PETROCHEMICAL INDUSTRIES Ltd.
P.O.B 4 HAIFA

Tel: +972-4-8788020
Fax: +972-4-8788018
E-mail: Gadiv@bazan.co.il

SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 2 of 18

1.4 Emergency telephone number

Emergency telephone number (including hours of operation): +972-4-8788020

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS)

Physical / Chemical Hazards:

Not Classified

Health Hazards:

Acute toxicity – Oral, Category 4

Eye damage, Category 1

Respiratory sensitization, Category 1

Skin sensitization, Category 1A

Skin irritation, Category 2

Specific target organ toxicity – inhalation, Category 3

Environmental Hazards:

Not Classified

2.2 Label elements

Labeling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms:



Signal word: **Danger**

Hazard statements:

H302: Harmful if swallowed.

H335: May cause respiratory irritation.

H315: Causes skin irritation.

SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 3 of 18

H318: Causes serious eye damage.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317: May cause an allergic skin reaction.

Precautionary Statements:

P232: Protect product from moisture

P261: Avoid breathing dust.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312: IF SWALLOWED: call a POISON CENTER or doctor / physician if you feel unwell.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

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 eyes irritation occurs: Get medical advice/attention.

P402+P233: Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazard

Does not meet the criteria for PBT or vPvB.

Material can accumulate static charges which may cause an ignition.

May be irritating to the eyes, nose, throat, and lungs.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Ingredient name	CAS number	EC number	Concentration %
PHTHALIC ANHYDRIDE	85-44-9	201-607-5	≥ 99.8%
REACH registration no. 01-2119457017-41-0021			

Additional Information:

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 4 of 18

Occupational exposure limits, if available, are listed in section 8.
See section 16 for the full text of the H-statements and R-phrases declared above.

Section 4. FIRST AID MEASURES

4.1 Product-specific hazards

Causes eye damage. Causes skin irritation / sensitization. May cause respiratory sensitization.

4.2 General advice

Take care to self-protect by avoiding becoming contaminated.
Seek medical assistance - show the safety data sheet or label if possible.

4.3 Description of first aid measures

Inhalation:

Move exposed person to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In the event of any complaints or symptoms, avoid further exposure.

Ingestion:

Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact:

Solid Material: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Material in Liquid State:

Wash skin immediately with plenty of water and soap. Call a physician. **CONTACT WITH THE HOT MELT:** Cooling immediately with plenty of water. Do not remove product crusts which may have formed neither forcibly nor by applying any solvents to the skin involved. In order to obtain medical care for possible burns and for a smooth cleansing of the skin, seek medical advice immediately.

Eye contact:

Solid Material:

Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Material in Liquid State:



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 5 of 18

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

4.4 Advice to physician

Causes eye damage. Causes skin irritation / sensitization. Material may cause respiratory sensitization.

No specific antidote; medical staff contacts Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Use an extinguishing agent suitable for the surrounding fire. Examples: water spray, water fog or foam. For small fire use dry powder or carbon dioxide (CO₂) extinguisher, dry sand or fire fighting foam.

Unsuitable extinguishing media:

None are known.

5.2 Hazardous combustion products

Decomposition products may include the following materials: carbon oxides (carbon monoxide and carbon dioxide), smoke and soot.

5.3 Special exposure hazards during fire fighting

No specific fire or explosion hazard.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5.4 Special protective measures for firefighters

Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Other: All combustion residues and contaminated water from fire-fighting should be disposed of according to local regulations

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Prevention of secondary risk

None.



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 6 of 18

6.2 Personal precautions

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Put on appropriate personal protective equipment (see section 8).

6.3 Environmental precautions

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). **Large spill:** Move containers from spill area. 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.

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information

Section 7: HANDLING AND STORAGE

7.1 Advice on safe handling

Prevention of user exposure:

Put on appropriate personal protective equipment.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

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.



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 7 of 18

Prevention of fire and explosion:

Avoid contact with heat and ignition sources and with strong oxidizing agents.

Precautions while moving the product:

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.

Hygiene Measures:

Workers should wash hands and face before eating, drinking and smoking.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures:

Store in accordance with local regulations.

Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10) and food and drink.

Use appropriate containment to avoid environmental contamination.

Storage precautions:

Keep container tightly closed and sealed until ready for use.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Do not store in unlabelled containers.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Remarks: Avoid all possible sources of ignition (spark or flame).

Take precautionary measures against electrostatic discharges.

Incompatible products:

Avoid contact with strong oxidizing agents, amines and strong bases.

Packaging materials:

Recommended: Use original container.

SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 8 of 18

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Risk management measures

Occupational Exposure Controls:

Technical measures: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Occupational Exposure Limits: Refer to the CSR.

Derived No Effect Level (DNEL)

Exposure pattern	Route	Workers	General population
Long-term – systemic effects	Oral	N/A	5 mg/kg bw/day
Long-term – systemic effects	Dermal	10 mg/kg bw/day	5 mg/kg bw/day
Long-term – systemic effects	Inhalation	35.2 mg/m ³	8.6 mg/m ³

Predicted No Effect Concentration (PNEC)

PNEC freshwater	1 mg/l
PNEC intermittent	5.6 mg/l
PNEC marine water	0.1 mg/l
PNEC sediment freshwater	3.80 mg/kg ww
PNEC sediment marine water	0.38 mg/kg ww
PNEC sewage treatment plant	10 mg/l

8.2 Exposure controls

Engineering Controls

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 9 of 18

should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Person Protective measures

Respiratory protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Recommended: In case of dust formation particle filter P2.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Recommended: Tightly fitting safety goggles.

Skin protection

Hand protection:

Solid Material: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations.

<1 hour (breakthrough time): use Nitrile rubber – NBR gloves.

Liquid (Molten) Material: Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. After contamination with product change the gloves immediately and dispose of them according to relevant national and local regulations.

<1 hour (breakthrough time): use PVC or Rubber gloves.

Skin and body (other than the hands): Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Recommended: chemical-resistant protective suit.

Hygienic measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before re-using. Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls:



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page **10** of **18**

Technical measures: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Molecular weight (average):	148
Appearance:	Solid, white
Odour:	Not available
Odour threshold:	Not available
pH:	Not available
Melting point:	131.6 °C
Boiling range:	284 °C at 1013 hPa
Flash point:	152 °C
Evaporation rate:	solid material
Flammability (solid, gas):	Non flammable solid
Vapor pressure:	0.0006 hPa at 26.6°C
Vapor density (air=1):	solid material
Auto-ignition temperature:	580 °C
Decomposition temperature:	N/A
Oxidizing properties:	N/A
Explosive hazard:	N/A
Water Solubility:	6000 - 16400 mg/l (substance is hydrolytically unstable at pH 4, 7 and 9).
Partition coefficient Octanol/Water:	1.6 at 20°C
Relative density:	1.527 g/cm ³ at 20°C
Viscosity:	1.19 mPa*s at 132°C , 1.125 mPa*s at 155°C
Surface tension:	solid material
Other information:	
Granulometry:	N/A
Dissociation constants (of Phthalic acid):	pKa1 = 2.97, pKa2 = 5.43 at 35°C.

Section 10: STABILITY AND REACTIVITY

10.1 Stability

The product is stable at normal storage, handling and use temperatures.

10.2 Conditions to avoid

SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page **11** of **18**

Heat, sparks, ignition points, flames, static electricity.

10.3 Materials to avoid

Keep away from water, alkalis, alcohols, oxygen, oxidizing agents, acids, nitrite, Metallic oxides. The substance is air sensitive.

10.4 Hazardous Decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Incomplete combustion and thermolysis produce potentially toxic gases such as: carbon monoxide, carbon dioxide and soot.

10.5 Hazard polymerization:

N/A

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity by oral route, inhalation and dermal route:

Phthalic anhydride is classified under Annex I of Dir 67/548/EEC as Xi, R22 – Harmful if swallowed, with corresponding classification under CLP of H302 – Harmful if swallowed.

Product / ingredient name	Test	Species	Dose
Phthalic Anhydride	LD50, Oral LC50, discriminating dose, Inhalation LD50, discriminating dose, Dermal	Rat (male) Rat (male/female) Rabbit	1,530 mg/kg bw 3,160 mg/m ³ air 3,160 mg/kg bw

Skin irritation / corrosion: Irritating.

Eye irritation: Irritating.

Skin sensitization: Sensitizing.



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 12 of 18

Respiratory sensitization: Sensitizing.

Repeated dose toxicity - Oral route: NOAEL: 500 mg/kg body weight/day.

CMR Effects:

Mutagenicity: Genetic toxicity: Negative.

Carcinogenicity: No evidence of carcinogenicity was seen.

Oral route - NOAEL: 1000 mg/kg body weight/day.

Reproductive toxicity: No evidence of toxicity to reproductive organs. NOAEL: 1,000 mg/kg body weight / day.

Developmental toxicity: Phthalic anhydride is not a developmental toxicant. NOAEL: 1,700 mg/kg bw/day.

Toxicokinetics: Upon exposure to Phthalic anhydride, the material is easily hydrolyzed to Phthalic acid, which is secreted. No evidence of conjugate formation. The half-life of Phthalic acid was not determined.

11.2 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

11.3 Information on other hazards

There is no additional information.

Section 12: ECOLOGICAL INFORMATION

12.1 General Remark on Ecotoxicity Testing

Phthalic anhydride reacts rapidly with water, forming phthalic acid. Since the half-life of phthalic anhydride in water is in the range of seconds to minutes, virtually tests with phthalic anhydride in aquatic solutions measure effects of phthalic acid rather than phthalic anhydride. Consequently, phthalic acid can also be used as the test substance to evaluate the aquatic effects of phthalic anhydride.

Substance name	Toxicity to fish	Toxicity to invertebrates	Toxicity to algae/terrestrial plants	Toxicity to other aquatic organisms	Other data (birds, bees, plants etc.)
Phthalic Anhydride	LC ₅₀ / 7 days: 560 mg/l (<i>Danio rerio</i>)	EC ₅₀ / 48H: >640 mg/l (<i>Daphnia magna</i>)	EC ₅₀ /72H: >100 mg/l (<i>Desmodesmus subspiculatus</i>)	Amphibian: LC0/24H: ≥ 24 mg/l	N/A



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 13 of 18

	Long term result: NOEC 10 mg/l (<i>Oncorhynchus mykiss</i>)	Long term result: EC ₅₀ / 21 days: 10 mg/l (based on reproduction, may be a pH effect). (<i>Daphnia magna</i>)	EC ₅₀ / 3 days: 731 mg/l at pH=2.80 (based on fruit germination). (<i>Lactuca sativa</i>)	(<i>Bufo bufo japonicus</i>)	
--	---	--	---	--------------------------------	--

Activated sludge inhibition of oxygen consumption testing (ISO 8192). EC₅₀ (3hr): > 1000 mg/l

Mobility in soil: Adsorption/desorption – The substance does not adsorb to sediments and suspended solids, as the experimental Koc of 31 suggests that phthalic acid has a high mobility in soil.

[12.2 Persistence and Degradability](#)

Biotic

Phthalic anhydride and the hydrolysis product phthalic acid are readily biodegradable.

Abiotic

Photodegradation in air - An atmospheric half-life of 21.4 days for phthalic anhydride and 13 days for phthalic acid is estimated for indirect photodegradation.

Degradation products: not measured.

Photodegradation in water - In the hydrosphere, phthalic anhydride is transformed photochemically under anaerobic conditions showing polymerization to polyphenyl. The half-life is in the range from 3.9 - 9.6 hours. For photo-oxidation in sea water a half-life of 0.93 hours is obtained.

Hydrolysis - Phthalic anhydride hydrolyses by 50 % within 30.5 seconds in the presence of water at pH 7 and 25°C, forming phthalic acid.

[12.3 Bioaccumulative potential](#)

Phthalic anhydride has low potential to bioaccumulate based on a log Kow of 1.6 (BCF is calculated to be 3.4). The hydrolysis product, phthalic acid, has a calculated BCF of 3.16, and is also has a low potential to bioaccumulate.

Secondary poisoning: Risk characterization is not required, because the substance is readily biodegradable and risk of bioaccumulation is low.

[12.4 Result of PBT/vPvB assessment \(if CSR is required\)](#)

Phthalic anhydride and its hydrolysis product Phthalic acid are neither a PBT nor a vPvB substance.



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page **14** of **18**

12.5 Endocrine disrupting properties)

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$. 12.7 Other adverse effects Data are not available.

12.5 Other adverse effects:

Data are not available.

Section 13: DISPOSAL CONSIDERATIONS

13.1 Methods of disposal

Examine possibilities for re-utilization. Product residues and un-cleaned empty containers should be packaged, sealed, labeled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When un-cleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

13.2 Hazardous waste

The classification of the product may meet the criteria for a hazardous waste.

Section 14: TRANSPORT INFORMATION

14.1 Land Transportation (ADR/RID) / Inland Waterway Transport (AND(R))

UN number: Not regulated as a hazardous material

Proper shipping name: PHTHALIC ANHYDRIDE

14.2 Marine Transport (IMDG)

UN number: Not regulated as a hazardous material

Proper shipping name: PHTHALIC ANHYDRIDE

Environmental Hazard: No



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page 15 of 18

14.3 Air Transport (ICAO/IATA)

UN number: Not regulated as a hazardous material

Proper shipping name: PHTHALIC ANHYDRIDE

14.4 If shipped in molten form:

Land Transportation (ADR/RID) / Inland Waterway Transport (AND(R)) / Marine Transport (IMDG)

UN number: 3256

Proper shipping name: ELEVATED TEMPERATURE LIQUID, N.O.S

Chemical name: PHTHALIC ANHYDRIDE

Hazard class: 3 (flammable liquid)

Packing group: III

ADR/RID-Labels: 3

Marine Transport MOLTEN (IMDG)

UN number: 3256

Proper shipping name: ELEVATED TEMPERATURE LIQUID, Flammable N.O.S (Phthalic anhydride)

Hazard class: 3

Packing group: III

EmS number: F-E, S-D

Labels: 3

Environmental Hazard: No

Air Transport (ICAO/IATA)

Not allowed.

National Fire Protection Association Hazard Ratings- NFPA (R):



SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page **16** of **18**

Health Hazard - 2

Flammability - 1

Reactivity - 1

Section 15: REGULATORY INFORMATION

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances and the Regulation (EC) No 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals and its subsequent updates.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

15.2 Chemical safety assessment

In accordance with REACH article 14, a Chemical Safety Assessment has been carried out for this substance.

Section 16: OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3:

R22 - Harmful if swallowed

R37/38 - Irritating to respiratory system and skin

R41 - Risk of serious damage to eyes

R42/43 - May cause sensitization by inhalation and skin contact

Safety phrases:

S02 - Keep out of the reach of children.

S23 - Do not breathe vapour / spray

S22 - Do not breathe dust.

S24/25 - Avoid contact with skin and eyes

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39 - Wear suitable gloves and eye/face protection

S46 - if swallowed, seek medical advice immediately and show this container or label

Full text of Hazards Statements referred to in sections 2 and 3:

H302 - Harmful if swallowed.



BAZAN GROUP
GADIV PETROCHEMICAL
INDUSTRIES LTD

SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

June 23, 2024, Version 07

Page **17** of **18**

H335 - May cause respiratory irritation.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 - May cause an allergic skin reaction.

Precautionary Statements:

P232 - Protect product from moisture

P261 - Avoid breathing dust.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor / physician if you feel unwell.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

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 eyes irritation occurs: Get medical advice/attention.

P402+P233 - Store in a well-ventilated place. Keep container tightly closed.

Training advice: Before using/handling the product one must read carefully present MSDS.

Recommended restriction: N/A

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

R-phrases- Risk phrases

S-phrases- Safety phrases

H-statements – Hazard statements

P-statements – Precautionary statements

UVCB - Substances of Unknown or Variable composition, Complex reaction products or Biological materials

Date of issue: June 23, 2024

Version no. 7

To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

