

SAFETY DATA SHEET

PHTHALIC ANHYDRIDE

SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

1.1 Product identifier:	
CAS Number:	85-44-9
EC number:	201-607-5.
1.2 SYNONYMS	3-Chloro-1-propene, , 1-chloro-2-
	propene, 3-chloropropylene

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:	Classification according to Regulation (EC) No 1272/2008 The substance is classified according to the CLP regulation.
2.2 Label elements:	 Labelling according to Regulation (EC) No 1272/2008 Skin Corrosion/Irritation (Category 2) Serious Eye Damage/Eye Irritation (Category 1) Respiratory Sensitization (Category 1) Skin Sensitization (Category 1)
Hazard Pictograms:	
Signal Word: Hazard statements:	Danger H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.



	H335 May cause respiratory
Drocoutionon/Statementer	D280 Wear protective gloves /
Precautionary Statements.	P200 Wear protective gloves/
	/ face protection
	P/03+P/0/ Store in a well
	ventilated al ace. Store in a closed
	container
	D304+D340 If inhold: If broathing
	is difficult remove victim to fresh
	air and keep at rest in a position
	comfortable for breathing
	P305+P351+P338 IF IN EVES Rinse
	cautiously with water for several
	minutes Remove contact lenses if
	present and easy to do - continue
	rinsing
	P501 Dispose of contents/container
	to hazardous or special waste
	collection point.
2.3 Other hazards:	
Inhalation:	may cause irritation to the
	respiratory tract, leading to
	symptoms such as coughing,
	shortness of breath, and a sore
	throat.
Ingestion:	can cause severe gastrointestinal
	irritation, nausea, vomiting, and
	abdominal pain.
Skin Contact:	an cause severe burns, irritation,
	and allergic reactions,
Eye contact:	an cause severe eye damage.
Chronic Exposure:	an lead to respiratory issues such
I UUN UNLAND	as asthma and chronic bronchitis,
	skin sensitization or dermatitis, eye
	irritation, and potential systemic
	enects like liver and kidney
Aggrevation of the existing	damage.
Aggravation of pre-existing	respiratory conditions such as
	asthma or chronic obstructivo
	astrinia or chronic obstructive
	puintonary disease (COPD), and
	SKIT CONDITIONS TIKE DEFINALITIS.



SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 85-44-9 PHTHALIC ANHYDRIDE
Identification number(s):	EC number: 201-607-5
SECTION 4: Eirst aid moasures	1976

SECTION 4: First aid measures

4.1 Description of first aid measures	
General information:	
After inhalation:	If breathed in, move person into
	fresh air. If not breathing, give
	artificial respiration. Consult a
	physician
After skin contact:	Wash affected areas thoroughly
	with soap and water. Remove
	contaminated clothing. Consult a
	physician.
After eye contact:	Rinse thoroughly with plenty of
	water for at least 15 minutes and
	consult a physician.
After swallowing:	Gargle, drink plenty of water and
	do not induce vomiting. Consult a
	pnysician.
4.2 Most Important symptoms	acute symptoms of phthalic
and effects, both acute and	annyande exposure include severe
delayed:	eye initation, skin initation,
	astrointestinal discomfort while
	Delayed effects may include
VIIIR PARMIT	respiratory sensitization chronic
	skin reactions and long-term lung
	damage with repeated exposure.
4.3 Indication of any immediate	In case of exposure, immediate
medical attention and special	medical attention is required,
treatment needed:	especially if symptoms such as
	severe eye irritation, respiratory
	distress, or skin burns occur.



SECTION 5: Firefighting measures

5.1 Extinguishing media	dry chemical or carbon dioxide,
	sand
5.2 Special hazards arising from	Highly combustible, releases heat
the substance or mixture	when reacted with water and toxic
	vapors can cause respiratory issues.
	Harmful to environment
	particularly aquatic life
5.3 Advice for firefighters	Wear fully protective suit, safety
	glasses and respiratory device .
5.4 further information	Use water spray to cool unopened
	containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating
	to form explosive concentrations.
6.2 Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
6.3 Methods and material for containment and cleaning up: YOUR CHEMIC	Wore chemical protection suit and self-contained breathing apparatus (SCBA). Collect spilled into container and absorb with sand, earth or inert substances. Keep containers tightly sealed. Do not allow water into the container ban chemical exposure. Spray water to reduce vapors. Ventilate the area and wash clean
	the area spilled material contained closed.



SECTION 7: Handling and storage

7.1 Precautions for safe handling	For use in are with adequate ventilation. Do not use in confined spaces. Electro static discharge protection. Do not let flame ignition No smoking
7.2 Conditions for safe storage,	Store in original containers.
including any incompatibilities	Keep containers securely sealed.
	Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks.
Requirements to be met by	Keep container tightly closed in a
storerooms and receptacles:	dry and well-ventilated place.
	Containers which are opened must
	be carefully resealed and kept
	upright to prevent leakage.
7.3 Specific end uses	no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	
Additional information about	A system of local and general
design of technical facilities:	exhaust is recommended
8.2 Exposure controls	
Appropriate engineering controls	Handle in accordance with good
	industrial hygiene and safety
	practice. Wash hands before
VALLA ALLA	breaks and at the end of workday.
Personal protective equipment:	Dust respirator, protective masks,
	wearing anti chemical gloves,
	rubber gloves, etc.
General protective and hygienic	Eyes, body and hand protection,
measures:	maintain indoor air unobstructed.
	Wear protective equipment.
	Respiratory protection: Required.



Protection of hands:	Handle with gloves. Gloves must be
	inspected prior to use. Use proper
	glove removal technique (without
	touching glove's outer surface) to
	avoid skin contact with this
	product. Dispose of contaminated
	gloves after use in accordance with
	applicable laws and good
	laboratory practices. Wash and dry
	hands
	Eye protection: Required
Protection of Body:	Complete suit protecting against
	chemicals, Flame retardant
	antistatic protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical	
and chemical properties General Information	
Appearance: Form:	Flake powder
Colour:	white
Odour:	Choking odour
pH-value:	2
Melting point/Melting range:	131.3°C
Boiling point/Boiling range:	284.8°C.
Flammability (solid, gaseous):	No data available
Ignition temperature:	No data available
Decomposition temperature:	No data available
Self-igniting:	No data available
Flash point:	No data available
Danger of explosion:	No data available \prec 👘 🚽 🔫
Explosion limits: Lower:	1.7 %;
Explosion limits: Upper:	10.5 %
Vapour pressure:	0.00069 hPa at 25°C
Density at 20 °C:	1.53 g/cm³ (approx.)
Relative density:	1.527
Vapour density:	2.1
Evaporation rate:	Very low
Solubility in / Miscibility with-	slightly soluble
•water at 20 °C:	



Partition coefficient:(n- octanol/water)	0.73
Viscosity:	0.34 cP at 20°C (approx)

SECTION 10: Stability and reactivity

No data available
The material is stable at room
temperature
Can undergo hazardous reactions
when exposed with water.
Moisture and water
strong bases, amines, or oxidizing
agents, water
carbon monoxide, carbon dioxide,
phthalic acid vapors, and
potentially other toxic organic
compounds

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	LD50 (Oral, Rat) : 1530 mg/kg
	LD50 (Dermal, Rabbit) : 10,000 mg/
	kg
	LC50 (Inhalation Rat) :
	0.647mg/liter /10 min.
Skin corrosion/Irritation:	causes severe skin corrosion and
	irritation, leading to redness and
valid auchia	pain. DADTALED
Serious eye damage/irritation:	causes serious eye damage, 🗌 🗋
	resulting in severe irritation, pain,
	redness
Respiratory damage/irritation:	Irritate the nose and throat Cause
	pneumonia, cough, shortness of
	breath, headache, dizziness
	and unconsciousness.
Ingestion:	Stomachache, vomiting and
	abdominal pain.



Germ cell mutagenicity:	No mutagenic effect was found in
	various tests with bacteria and
	mammalian cell culture
Carcinogenicity:	In long-term studies in rats and
carcinogenicity.	mico in which the substance was
	diversity of a correspondence was
	given by leed, a carcinogenic effect
	was not observed.
Reproductive toxicity:	no data available
Specific target organ toxicity -	No data available
single exposure:	
Specific target organ toxicity -	No data available
repeated exposure:	
Aspiration hazard:	No data available
Signs and Symptoms of Exposure:	Refer section 2.3
11.2 Additional toxicological	
information	
Aquatic Toxicity:	It is highly toxic to aquatic
	organisms in relatively low
	concentrations.
Biodegradability:	Poorly biodegradable
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SECTION 12: Ecological information

12.1 Toxicity	LC50: 100 mg/l 96 h (Oncorhynchus
Aquatic toxicity:	mykiss)
12.2 Persistence and	Low persistent and poorly
degradability:	biodegradable
12.3 Bioaccumulative potential:	Not bio-accumulative
12.4 Mobility in soil:	Low mobility
12.5 Other adverse effects	No data available

SECTION 13: Disposal considerations DARTNER

13.1 Waste treatment methods	
Uncleaned packaging	dispose of in accordance with local
Recommendation:	hazardous waste regulations
Recommended cleansing agents:	Soapy water, alkaline cleaning
	agents, aceotone and isopropyl
	alcohol



SECTION 14: Transport information

14.1 UN-Number · ADR, ADN,	Not classified
IMDG, IATA:	
14.2 UN proper shipping name \cdot	Allyl chloride
ADR, ADN, IMDG, IATA:	
14.3 Transport hazard class(es) •	Not classified
ADR, ADN, IMDG, IATA	
14.4 Packing group · ADR, IMDG,	Not classified
IATA:	
14.5 Environmental hazards:	Yes
14.6 Special precautions for user	No data available

SECTION 15: Regulatory information

15.1 Safety, health and	Directive 2012/18/EU, under that
regulations/legislation specific	and flammable substance.
for the substance or mixture Directive 2012/18/EU	
Named dangerous substances	This substance is listed in the
	annex 1 to the directive under the
	category of "Dangerous
	substances" due to its flammability
15.2 Chemical safety assessment:	Chemical assessment has been
	carried out under REACH
	regulation.

SECTION 16: Other information

Note 1: When products contain two or more hazardous substances, Safety Data Sheets should be prepared based on the risk of the mixture.

Note 2: Manufacturer / supplier should ensure the correctness of the information contained in the safety data sheets, and updated in a timely manner.

Note 3: As a result of product features without the existence of certain information or no data available.