SAFETY DATA SHEET



SUCCINIC ACID

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

1.1 Product identifier:	
CAS Number:	110-15-6
EC number:	203-740-4
1.2 SYNONYMS:	Butanedioic acid
	Amber acid
	 Ethylene succinate
	 Methylsuccinic acid
	 1,4-Butanedioic acid

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 Serious Eye Damage/Eye Irritation (Category 2)
Hazard Pictograms:	
Signal Word:	Danger
Hazard statements:	H319: Causes serious eye irritation.
Precautionary Statements: YOUR CHEMIC	p280: Wear protective gloves/protective clothing/eye protection/face protection. p305 + p351 + p338: IF IN EYE: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. p337 + p313: If eye irritation persists: Get medical advice/attention.



2.3 Other hazards:	
Inhalation:	may cause respiratory irritation,
	coughing, or discomfort.
Ingestion:	may cause gastrointestinal
	irritation, nausea, vomiting,
FOTD	abdominal pain,
Skin Contact:	may cause irritation, redness.
Eye contact:	can cause severe irritation, redness,
	pain, and potential eye damage.
Chronic Exposure:	may cause persistent irritation to
	the skin, eyes, or respiratory system.
Aggravation of pre-existing	may aggravate pre-existing skin,
conditions:	eye, or respiratory conditions, such
	as dermatitis, conjunctivitis, or
	asthma, due to its irritating
	properties.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 110-15-6 SUCCINIC ACID
Identification number(s):	EC number: 203-740-4

SECTION 4: First aid measures

4.1 Description of first aid	
measures	
General information:	
After inhalation: YOUR CHEMIC	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician
After skin contact:	Remove contaminated clothing. Wash with soap and water. Consult a physician.
After eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. consult a physician.
After swallowing:	Rinse mouth with water. Immediately after ingestion. Do not



	induce vomiting. Consult a
	physician.
4.2 Most important symptoms	Can cause severe eye irritation and
and effects, both acute and	potential damage in long exposure.
delayed:	
4.3 Indication of any immediate	Treat symptomatically.
medical attention and special	14/h
treatment needed:	1010

SECTION 5: Firefighting measures

5.1 Extinguishing media:	Carbon dioxide. Water spray.
	Alcohol-resistant foam.
5.2 Special hazards arising from	Formation of explosive dust/air
the substance or mixture:	mixtures is possible. In case of fire,
	carbon monoxide can be formed.
5.3 Advice for firefighters:	Wear fully protective suit, safety
	glasses and respiratory device .
	Cool tanks/drums with water
	spray/remove them into safety.
5.4 further information:	no data available

SECTION 6: Accidental release measures

6.1 Personal precautions,	Use personal protective
protective equipment and	equipment.
emergency procedures:	Avoid breathing vapors, mist or
	gas. Ensure adequate ventilation.
	Remove all sources of ignition.
	Evacuate personnel to safe areas.
	Beware of vapours accumulating
VOLID CHEMIC	to form explosive concentrations.
IT U U D G D E IVI I G	Avoid dust accumulation. Seek
	medical attention.
6.2 Environmental precautions:	Do not enter this chemical into
	drains.
6.3 Methods and material for	Take up spill into absorbent
containment and cleaning up:	material, e.g.: sand, earth,
	vermiculite, powdered limestone.
	Scoop absorbed substance into
	closing containers. Spill must not
	return in its original container.
	Clean contaminated surfaces with



an excess of water. Wash clothing
and equipment after handling.

SECTION 7: Handling and storage

	4 6 7 6
7.1 Precautions for safe handling:	For use in are with adequate
LOID.	ventilation.
	Empty containers pose a fire risk,
	evaporate the residue under a
	fume hood. Ground all equipment
	containing material
	Do not use in confined spaces.
	Electrostatic discharge protection.
	Minimize dust generation and
	accumulation.
	Avoid ingestion and inhalation.
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.
	Store in a dry and dark area.
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
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TOOK OILLINITO	AL I AII I II LII

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
	breaks and at the end of workday.



Personal protective equipment: General protective and hygienic measures:	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc. Eyes, body and hand protection, 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. 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:	Whitesolid
Colour:	Colourless
Odour:	No data available
pH-value:	3
Melting point/Melting range:	185-187°C = = = =
Boiling point/Boiling range:	235°C
Flammability (solid, gaseous):	Non-Flammable
Ignition temperature:	220°C
Decomposition temperature:	No data available
Self-igniting:	Not applicable
Flash point:	No data available
Danger of explosion:	Not applicable
Explosion limits: Lower:	No data available
Explosion limits: Upper:	No data available
Vapour pressure:	0.02 mmHg at 20°C



Density at 20 °C:	1.564 g/cm ³ .
Relative density:	1.564
Vapour density:	3.6
Evaporation rate:	No data available
Solubility in / Miscibility with-	Highly soluble
·water at 20 °C:	1076
Partition coefficient:(n-	0.754
octanol/water)	
Viscosity:	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity	No data available
10.2 Chemical stability	This chemical is stable under storage conditions.
	<u> </u>
10.3 Possibility of hazardous	No dangerous reactions known.
reactions	
10.4 Conditions to avoid	Avoid contact with incompatible materials.
10.5 Incompatible materials	Strong oxidising agents, strong reducing agents, acids, alkalis.
10.6 Hazardous decomposition products	Carbon monoxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	LD50 (Oral, Rat) : no data available
	LD50 (Dermal, Rabbit) : no data
VOUD OUTNIO	available — — — — — —
VIIIIR I: HEMII:	LC50 (Inhalation Rat) : no data
10011 OIILMITO	available.
Skin corrosion/Irritation:	No data available
Serious eye damage/irritation:	Causes severe irritation
	and burns of the eyes.
Respiratory damage/irritation:	No data available
Ingestion:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
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	14/h
information	1010
Biodegradability:	Readily biodegradable.

SECTION 12: Ecological information

12.1 Toxicity Aquatic toxicity:	LC50(fish): 100mg/I (96hr) EC50(daphnia): 100mg/I (48hr) EC50(algae): 100 mg/I (72hr)
12.2 Persistence and degradability:	Readily biodegradable.
12.3 Bioaccumulative potential:	No data available
12.4 Mobility in soil:	No data available
12.5 Other adverse effects:	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Uncleaned packaging	dispose of in accordance with local
Recommendation:	hazardous waste regulations
Recommended cleansing agents:	gentle foaming cleansers,
	hydrating cream or milk cleansers,
	micellar water, hydrating gel
	cleansers, and non-stripping oil
VOUD CHEMIC	cleansers.

SECTION 14: Transport information

14.1 UN-Number · ADR, ADN, IMDG, IATA:	Not regulated
14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:	Not regulated
14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :	Not regulated



14.4 Packing group · ADR, IMDG,	Not regulated
IATA:	
14.5 Environmental hazards:	No data available
14.6 Special precautions for user:	Handle responsibly.

SECTION 15: Regulatory information

15.1 Safety, health and	Directive 2012/18/EU, under that
environmental	this substance is not classified in
regulations/legislation specific	listed substance.
for the substance or mixture	
Directive 2012/18/EU	
Named dangerous substances:	This substance is not listed in the
	annex 1 to the directive.
15.2 Chemical safety assessment:	Chemical assessment has not been
	carried out.

SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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