

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09

Version: 1.0

Page: 1/11

(30045784/SDS_LEA_US/EN)

1. Identification

Product identifier used on the label

Decaltal® Pic S

Recommended use of the chemical and restriction on use

Suitable for use in industrial sector: leather industry

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Synonyms: Dicarboxylic Acid Mixture

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	3	Hazardous to the aquatic environment - acute

Label elements

Pictogram:

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09
Version: 1.0

Page: 2/11
(30045784/SDS_LEA_US/EN)



Signal Word:
Danger

Hazard Statement:

H318 Causes serious eye damage.
H402 Harmful to aquatic life.

Precautionary Statements (Prevention):

P280 Wear eye/face protection.
P273 Avoid release to the environment.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

CAUTION:

RISK OF SERIOUS DAMAGE TO EYES.

Use with local exhaust ventilation.

Eye wash fountains and safety showers must be easily accessible.

Wear protective clothing.

Wear NIOSH-certified chemical goggles.

Wear a NIOSH-certified (or equivalent) particulate respirator.

Wear chemical resistant protective gloves.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
68603-87-2	100.0 %	carboxylic acids, di, C4-C6

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

<u>CAS Number</u>	<u>Weight %</u>	<u>Chemical name</u>
68603-87-2	100.0 %	carboxylic acids, di, C4-C6

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09
Version: 1.0

Page: 3/11
(30045784/SDS_LEA_US/EN)

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing. Avoid contact with the skin, eyes and clothing.

If inhaled:

Keep patient calm, remove to fresh air. Assist in breathing if necessary. Consult a physician.

If on skin:

Wash affected areas thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
No particular hazards known.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

Impact Sensitivity:

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09
Version: 1.0

Page: 4/11
(30045784/SDS_LEA_US/EN)

Remarks: Substance/product is not impact sensitive at room temperature.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Sources of ignition should be kept well clear. Use breathing apparatus if exposed to vapours/dust/aerosol. Information regarding personal protective measures see, section 8.

Environmental precautions

Discharge into the environment must be avoided. Do not empty into drains. Retain and dispose of contaminated wash water.

Methods and material for containment and cleaning up

For large amounts: Pick up in dry form. Dispose of absorbed material in accordance with regulations.
For residues: Rinse away with water.

7. Handling and Storage

Precautions for safe handling

Avoid dust formation. Ensure suitable air extract/ventilation on process machinery and transportation equipment. Ensure thorough ventilation of stores and work areas. Breathing must be protected when large quantities are decanted without local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Dust can form an explosive mixture with air. Take precautionary measures against static discharges. Sources of ignition should be kept well clear.

Conditions for safe storage, including any incompatibilities

Segregate from alkalies and alkalizing substances.

Further information on storage conditions: Protect against heat. Containers should be stored tightly sealed in a dry place.

8. Exposure Controls/Personal Protection

No occupational exposure limits known.

Advice on system design:

Provide local exhaust ventilation to control dust.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:

Chemical resistant protective gloves (EN 374), nitrile rubber (NBR) - 0.4 mm coating thickness, chloroprene rubber (CR) - 0.5 mm coating thickness, polyvinylchloride (PVC) - 0.7 mm coating thickness, Manufacturer's directions for use should be observed because of great diversity of types.

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09

Version: 1.0

Page: 5/11

(30045784/SDS_LEA_US/EN)

Chemical resistant protective gloves, chloroprene rubber (Neoprene), nitrile rubber (Buna N), polyvinylchloride (Pylox)

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Take off immediately all contaminated clothing. At the end of the shift the skin should be cleaned and skin-care agents applied.

9. Physical and Chemical Properties

Form:	flakes	
Odour:	faint specific odour	
Colour:	grey white to yellowish	
pH value:	2.0	
	(150 g/l, 70 °C)	
melting range:	> 45 - < 120 °C	(Directive 92/69/EEC, A.1)
	(1,013 hPa)	
Boiling range:	235 - 337.5 °C	
	(1,013 hPa)	
	The statements are based on the properties of the individual components.	
<i>Information on: succinic acid</i>		
Boiling point:	235 °C	
	(1,013 hPa)	
	Literature data.	
<i>Information on: glutaric acid</i>		
Boiling range:	> 302 - < 304 °C	
	(1,013 hPa)	
	Literature data.	
<i>Information on: adipic acid</i>		
Boiling point:	337.5 °C	
	(1,013 hPa)	
	Literature data.	

Sublimation point:	No applicable information available.	
Flash point:	180 °C	(Directive 92/69/EEC, A.9, closed cup)
Flammability:	not highly flammable	(Directive 92/69/EEC, A.10)
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles	
Lower explosion limit:	No data available.	
Upper explosion limit:	No data available.	
Autoignition:	475 °C	(DIN 51794)
Vapour pressure:	4 - 14 mbar	
	(160 - 180 °C)	
Density:	1.23 g/cm ³	
	(20 °C)	
Relative density:	1.36 - 1.56	
	(15 - 25 °C)	
	Literature data.	
Bulk density:	400 - 600 kg/m ³	

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09

Page: 6/11

Version: 1.0

(30045784/SDS_LEA_US/EN)

Partitioning coefficient n-octanol/water (log Pow):	-0.575 - 0.162 (25 °C)	(OECD Guideline 107)
<i>Information on: succinic acid</i>		
Partitioning coefficient n-octanol/water (log Pow):	-0.59 (25 °C)	(measured)
<i>Information on: adipic acid</i>		
Partitioning coefficient n-octanol/water (log Pow):	0.093 (25 °C)	(measured)
<i>Information on: glutaric acid</i>		
Partitioning coefficient n-octanol/water (log Pow):	-0.26 (25 °C)	(calculated)

Self-ignition temperature:	not self-igniting	
	not self-igniting	(Directive 92/69/EEC, A.16)
Thermal decomposition:	No data available.	
Viscosity, dynamic:	Study scientifically not justified.	
Particle size:	D50 4.7 mm	(measured)
Solubility in water:	approx. 45 g/l (20 °C)	
	approx. 85 g/l (30 °C)	
Miscibility with water:	soluble	
Solubility (qualitative):	soluble	
	solvent(s): organic solvents,	
Evaporation rate:	No data available.	

10. Stability and Reactivity

Reactivity

Corrosion to metals:
No corrosive effect on metal.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.
-------------------------------	----------	--

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts with basic components to generate heat. Dust explosion hazard.

Conditions to avoid

Avoid dust formation. Avoid deposition of dust. See MSDS section 7 - Handling and storage.

Incompatible materials

alkaline reactive substances

Hazardous decomposition products

Decomposition products:

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09

Version: 1.0

Page: 7/11

(30045784/SDS_LEA_US/EN)

Thermal decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated., Incomplete combustion results in formation of toxic gases, containing mainly carbon monoxide and carbon dioxide.

Thermal decomposition:
No data available.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Of low toxicity after single ingestion. In animal studies the substance is virtually nontoxic after short-term inhalation. Virtually nontoxic after a single skin contact.

Oral

Type of value: LD50

Species: rat (male/female)

Value: 6,000 mg/kg (OECD Guideline 401)

Inhalation

Type of value: LC0

Species: rat (male/female)

Value: 7.7 mg/l (OECD Guideline 403)

Exposure time: 4 h

The product has not been tested. The statement has been derived from the properties of the individual components.

Dermal

Type of value: LD0

Species: rabbit (male/female)

Value: 7,940 mg/kg

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. May cause severe damage to the eyes.

Skin

Species: rabbit

Result: non-irritant

Method: BASF-Test

Eye

Species: rabbit

Result: Risk of serious damage to eyes.

Method: BASF-Test

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09
Version: 1.0

Page: 8/11
(30045784/SDS_LEA_US/EN)

Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Species: guinea pig
Result: Non-sensitizing.
Method: other

Aspiration Hazard

No data available.

Chronic Toxicity/Effects

Genetic toxicity

Assessment of mutagenicity: In the majority of studies performed with microorganisms and in mammalian cell culture, a mutagenic effect was not found. A mutagenic effect was also not observed in in vivo tests.

Carcinogenicity

Assessment of carcinogenicity: Based on the ingredients there is no suspicion of a carcinogenic effect in humans. Study scientifically not justified.

Reproductive toxicity

Assessment of reproduction toxicity: Repeated oral uptake of the substance did not cause damage to the reproductive organs.

Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. The product has not been tested. The statement has been derived from the properties of the individual components.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely harmful for aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product gives rise to pH shifts.

Toxicity to fish

LC50 (96 h) 147 - 215 mg/l, *Leuciscus idus* (DIN 38412 Part 15, static)

LC50 (96 h) 59.5 mg/l, *Brachydanio rerio* (Fish test acute, static)

Aquatic invertebrates

EC50 (48 h) 88.4 mg/l, *Daphnia magna* (Directive 84/449/EEC, C.2, static)

EC50 (48 h) 46 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, static)

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09

Version: 1.0

Page: 9/11

(30045784/SDS_LEA_US/EN)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic plants

EC50 (72 h) 41.9 mg/l (growth rate), Scenedesmus subspicatus (DIN 38412 Part 9, static)

Chronic toxicity to fish

Study scientifically not justified.

Chronic toxicity to aquatic invertebrates

No observed effect concentration (21 d) 6.3 mg/l, Daphnia magna (OECD Guideline 211)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of terrestrial toxicity

Study scientifically not justified.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

DIN EN ISO 8192 aquatic
activated sludge, industrial/EC20 (30 min): > 100 mg/l

DIN 38412 Part 8 aquatic
bacterium/EC50 (17 h): 91 mg/l

OECD Guideline 209 aquatic
activated sludge/EC50 (3 h): 7,910 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Readily biodegradable (according to OECD criteria).

Elimination information

83 % BOD of the ThOD (30 d) (OECD 301D; EEC 92/69, C.4-E) (aerobic, activated sludge, domestic)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

78 % BOD of the ThOD (14 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

100 % DOC reduction (14 d) (OECD 301E/92/69/EEC, C.4-B) (aerobic, activated sludge, domestic)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Assessment of stability in water

Study scientifically not justified.

Bioaccumulative potential

Assessment bioaccumulation potential

Significant accumulation in organisms is not to be expected.

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09
Version: 1.0

Page: 10/11
(30045784/SDS_LEA_US/EN)

Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

Additional information

Sum parameter

Chemical oxygen demand (COD): 1,120 mg/g

Biochemical oxygen demand (BOD) Incubation period 5 d: 850 mg/g

Ratio BOD/COD: 50 - 60 %

13. Disposal considerations

Waste disposal of substance:

Must be disposed of or incinerated in accordance with local regulations.

Container disposal:

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Dispose of in accordance with national, state and local regulations.

RCRA: None

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute;

Reportable Quantity for release: 5,000 lb

Safety Data Sheet

Decaltal® Pic S

Revision date : 2016/02/09

Version: 1.0

Page: 11/11

(30045784/SDS_LEA_US/EN)

NFPA Hazard codes:

Health : 3 Fire: 1 Reactivity: 1 Special:

Assessment of the hazard classes according to UN GHS criteria (most recent version):

Aquatic Acute	3	Hazardous to the aquatic environment - acute
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Acute Tox.	5 (oral)	Acute toxicity

16. Other Information

SDS Prepared by:

BASF NA Product Regulations

SDS Prepared on: 2016/02/09

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

Decaltal® Pic S is a registered trademark of BASF Corporation or BASF SE
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY OUR COMPANY HEREUNDER ARE GIVEN GRATIS AND WE ASSUME NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.
END OF DATA SHEET