Safety Data Sheet (SDS)

Issue date : 19. 11. 2018 (Ver.1.0)
Last revision : 17. 04. 2025(Ver.3.0)

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

1.1. Product identifier

Trade Name : Kia Genuine Pink Prediluted Antifreeze/Coolant

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

Type of use : Coolant / Antifreeze

1.3. Details of the supplier of the safety data sheet

Manufacturer / Supplier : KD Finechem Co., Ltd

Address : 286, Pyeongtaekhang-ro, Poseung-eup, Pyeongtaek-si, Gyeonggi-do, Republic of Korea

Manufacturer / Supplier : KUKDONG USA INC. 7765 Bill Joseph Pkwy, Montgomery, AL 36105 USA

Competent person responsible for the safety data sheet

E-mail : yc0103@kdfinechem.com (https://www.kdfinechem.com)

1.4. Emergency telephone number

TEL. (KR) +82-31-680-0505 (AL) +1 334-281-0906

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

According to US regulation OSHA Hazard Communication Standard 29 CFR 1910.1200

1) Physicochemcal : Not Classified

2) Health hazards :

Acute toxicity (Oral) : Category 4 (H302)

Specific target organ toxicity following repeat exposure : Category 2 (H373)

3) Environmental hazards : Not Classified

2.2 Label elements

According to US regulation OSHA Hazard Communication Standard 29 CFR 1910.1200

1) Pictogram : GHS07, GHS08

2) Signal Word : Warning

3) Hazard Statement(s)

H302 : Harmful if swallowed.

H373 : May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed.

4) Precautionary Statement(s)

Precautionary

P260 : Do not breathe vapours/spray.

P264 : Wash … thoroughly after handling.

P270 : Do no eat, drink or smoke when using this product.

Response

P301+P312 : IF SWALLOWED: Call a POISON CENTER/ doctor/…/ if you feel unwell.

P314 : Get medical advice/attention if you feel unwell.

P330 : Rinse mouth.

Storage

Not Classified

Disposal

P501 : Dispose of contents and container in accordance with applicable regulations.

2.3 Other hazards.

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

SECTION 3 Composition/information on ingredients

3.2. Mixtures

Substance name	Product identifier	Content in % weight	Classification
1. ETHYLENE GLYCOL	CAS No. : 107-21-1 EC List no: 203-473-3 Index: 603-027-00-1 REACH Registration No. : 01-2119456816-28	50 - 60 %	Acute Tox. 4 / H302 STOT RE 2 / H373
2. WATER	CAS No. : 7732-18-5 EC List no: 231-791-2 REACH Registration No. : Exemption according to annex V of (EC) No. 1907/2006	40 - 43 %	Not Classified
3. Sebacic acid	CAS No. : 111-20-6 EC List no: 203-845-5 REACH Registration No. : 01-2119519212-52	1 ~ 3 %	Not Classified
4. Potassium hydroxide	CAS No. : 1310-58-3 EC List no: 215-181-3 Index: 019-002-00-8 REACH Registration No. : 01-2119487136-33	1 ~ 2%	Skin Corr. 1A / H314 Acute Tox. 4 / H302

For full text of abbreviations: see SECTION 16

SECTION 4 First aid measures

4.1 Description of first aid measures

General notes

Take off contaminated clothing.

Following inhalation

Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

Following skin contact

Rinse skin with water/shower.

In all cases of doubt, or when symptoms persist, seek medical advice.

Following eye contact

Rinse cautiously with water for several minutes.

In all cases of doubt, or when symptoms persist, seek medical advice.

Following ingestion

Rinse mouth with water (only if the person is conscious).

Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

Fatigue, Vertigo, Agitation, Diarrhoea, Vomiting, Nausea, Unconsciousness

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5 Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

co-ordinate firefighting measures to the fire surroundings water spray, alcohol resistant foam, dry extinguishing powder
BC-powder, carbon dioxide (CO_2)

Unsuitable extinguishing media

water jet

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Hazardous combustion products

In case of fire may be liberated: Carbon monoxide (CO), Carbon dioxide (CO_2)

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Fight fire with normal precautions from a reasonable distance.

Wear self-contained breathing apparatus.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid contact with skin, eyes and clothes.

Do not breathe vapour/spray.

6.2. Environmental precautions

Keep away from drains, surface and ground water.

6.3. Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Other information relating to spills and releases

Place in appropriate containers for disposal.

6.4. Reference to other sections

Hazardous combustion products: see section 5.

Personal protective equipment: see section 8.

Incompatible materials: see section 10.

Disposal considerations: see section 13.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Provision of sufficient ventilation.

Advice on general occupational hygiene

Wash hands before breaks and after work.

Keep away from food, drink and animal feedingstuffs.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a dry place. Hygroscopic.

Incompatible substances or mixtures

Observe hints for combined storage.

Protect against external exposure, such as

humidity

Consideration of other advice:

Specific designs for storage rooms or vessels

Recommended storage temperature: 15 - 25 ° C

7.3 Specific end uses

Recommendations : Coolant and antifreeze.

Industrial sector specific solutions : No data available.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Exposure limit value

Occupational exposure limit values (Workplace Exposure Limits)

Exposure limit	OSHA PEL				NIOSH REL				ACGIH TLV©				CAL/OSHA PEL			
	PEL-TWA	PEL-STEL	PEL-C	Skin notation	REL-TWA	REL-STEL	REL-C	Skin notation	TLV-TWA	TLV-STEL	TLV-C	Skin notation	PEL-TWA	PEL-STEL	PEL-C	Skin notation
1. ETHYLENE GLYCOL				NA				N	25 ppm *Vap	50 ppm *Vap 10mg /m³ *PA		N			40 ppm 100 mg /m³	N
2. WATER																
3. Sebacic acid																
4. Potassium hydroxide				NA			2 mg /m³	N			2 mg /m³	N			2 mg /m³	N

*OSHA = Occupational Safety and Health Administration

*PEL= Permissible Exposure Limits

*NIOSH = The National Institute for Occupational Safety and Health's

*REL = Recommended Exposure Limit

*ACGIH = American Conference of Governmental Industrial Hygienists

*TLV = Threshold Limit Values

CAL/OSHA PEL = Califonia Occupational Safety and Health Administration / Permissible Exposure Limits

*Ceiling-C = Ceiling value is a limit value above which exposure should not occur

*STEL = Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15 mi
period (unless otherwise specified)

* IWA =IWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of
8 hours time-weighted average (unless otherwise specified)

*NA = Not Applicable

*N=Not Assigned

*Vap = vapor fraction

*PA = inhalable particulate matter, aerosol only

Ref. https://www.osha.gov/chemicaldata/search (OSHA Occupational Chemical Database)

8.2 Exposure controls

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection.

Skin protection

Hands protection

Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.
For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned
above together with the supplier of these gloves.

The times are approximate values from measurements at 22 ° C and permanent contact.
Increased temperatures due to heated substances, body heat etc. and a reduction of the effective layer thickness by
stretching can lead to a considerable reduction of the breakthrough time.

If in doubt, contact manufacturer.

At an approx. 1.5 times larger / smaller layer thickness, the respective breakthrough time is doubled / halved.

Type of material

NBR (Nitrile rubber)

Material thickness

>0,3 mm

Breakthrough times of the glove material

>480 minutes (permeation: level 6)

Other protection measures

Take recovery periods for skin regeneration.

Preventive skin protection (barrier creams/ointments) is recommended.

Respiratory protection

Respiratory protection necessary at: Aerosol or mist formation.

Type: A (against organic gases and vapours with a boiling point of > 65 ° C , colour code: Brown).

Environmental exposure controls

Keep away from drains, surface and ground water.

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid,
Color	Pink
Odor	Odorless
Melting Point / Freezing Point	- 37℃
Boiling point or initial boiling point and boiling range	> 100℃ / 173℃
Flammability	This material is combustible, but will not ignite
Lower and upper explosion limit	3.2 ~ 15.3% (Ethylene Glycol)
Flash point	> 111℃ (Ethylene Glycol)
Auto-ignition temperature	398℃ (Ethylene Glycol)
Decomposition temperature	No data available
pH	7.0 ~ 9.0

Kinematic viscosity	No data available
Solubility (in water)	Soluble
Partition coefficient n-octanol/water (log value)	-1.36 (Log Kow)
Vapour pressure	0.0065 kPa (@20℃)(ICIS)
Density and/or relative density	1.050 ~ 1.100 g/cm³ at 20 ° C
Relative vapour density	(Air=1) : 2.14 (Ethylene Glycol)
Particle characteristics	No data available

9.2. Other information

No data available

SECTION 10 Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

If heated : Vapours may form explosive mixtures with air.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

Exothermic reaction with: Sulphuric acid, Alkali hydroxide (caustic alkali), Aluminium, Nitric acid,

Risk of ignition: Chlorates, Permanganates, Peroxides, strong oxidiser

10.4 Conditions to avoid

Protect from moisture. Keep away from heat.

10.5 Incompatible materials

aluminium, zinc

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

SECTION 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Classification according to GHS (1272/2008/EC, CLP)

1. ETHYLENE GLYCOL

Acute toxicity

Oral : LD50 7712 mg/kg bw / Rat male, female

Inhalation : No data available

Dermal : LD50 > 3500 mg/kg bw / Mouse male, female

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

May cause damage to organs (kidney) through prolonged or repeated exposure (if swallowed).

Hazard category	Target organ	Exposure route
2	kidney	if swallowed

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed

diarrhoea, vomiting, nausea, Liver and kidney damage

If in eyes

essentially non-irritating

If inhaled

Data are not available.

If on skin

essentially non-irritating

Other information

Other adverse effects: Loss of righting reflex, and ataxia, Unconsciousness, Drowsiness, Agitation

2. WATER

Acute toxicity

Oral : LD50 90000㎎/㎏ Rat

Inhalation : No data available

Dermal : No data available

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed

Data are not available.

If in eyes

Data are not available.

If inhaled

Data are not available.

If on skin

Data are not available.

Other information

Data are not available.

3. Sebacic Acid

Acute toxicity

Oral : LD50 Oral - Rat - male - > 5 000 mg/kg (OECD Test Guideline 401)

Inhalation : No data available

Dermal : LD50 Dermal - Rat - male and female - > 2 000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed

Data are not available.

If in eyes

Data are not available.

If inhaled

Data are not available.

If on skin

Data are not available.

Other information

Data are not available.

4. Potassium hydroxide

Acute toxicity

Oral : LD50 333 mg/kg Rat (OECD TG 425)

Inhalation : No data available

Dermal : No data available

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

If swallowed

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects)

If in eyes

causes burns, Causes serious eye damage, risk of blindness

If inhaled

Inhalation of dust may cause irritation of the respiratory system, cough, pain, choking, and breathing difficulti

If on skin

causes severe burns, causes poorly healing wounds

Other information

Data are not available.

11.2 Endocrine disrupting properties

Not listed.

11.3 Information on other hazards

There is no additional information.

SECTION 12 Ecological information

12.1 Toxicity

1. ETHYLENE GLYCOL

   Fishes : LC50 72860mg/L 96hr Pimephales promelas

   Aquatic invertebrates : LC50 MIN 100mg/L 48hr Daphnia magna(OECD Guideline 202, GLP)

   Aquatic algae and cyanobacteria : EC50 6500~13000mg/L 96hr (Pseudokirchnerella subcapitata, EPA 600/9-78-018)

2. WATER

   Fishes : No data available

   Aquatic invertebrates : No data available

   Aquatic algae and cyanobacteria : No data available

3. Sebacic Acid

   Fishes : LC50 993 789 mg/L 96 hr (ECOSAR)

   Aquatic invertebrates : LC50 1078 932 mg/L 48hr (ECOSAR)

   Aquatic algae and cyanobacteria : EC50 681 937 mg/L 96hr (ECOSAR)

4. Potassium hydroxide

   Fishes : LC50 - 165 mg/L - 24 h

   Aquatic invertebrates : No data available

   Aquatic algae and cyanobacteria : No data available

12.2 Persistence and Degradability

1. ETHYLENE GLYCOL

   Theoretical Oxygen Demand: 1,29 g/g

   Theoretical Carbon Dioxide: 1,418 mg/mg

   Biochemical Oxygen Demand: 0,78 g/g

   Process of degradability

   biotic/abiotic : 83 - 96 %(14d)

   DOC removal : 90 - 100 %(10d)

2. WATER

   No data available

3. Sebacic Acid

   No data available

4. Potassium hydroxide

   No data available

12.3 Bioaccumulative potential

1. ETHYLENE GLYCOL

   Does not significantly accumulate in organisms. n-octanol/water (log KOW) : -1,36 (ECHA)

2. WATER

   No data available

3. Sebacic Acid

   No data available

4. Potassium hydroxide

   No data available

12.4 Mobility in Soil

1. ETHYLENE GLYCOL : Henryho konstanta 0,013 Pa m³ /mol at 25 ° C (ECHA)
2. WATER : No data available.
3. Sebacic Acid : No data available.
4. Potassium hydroxide : No data available.

12.5 Result of PBT and vPvB assessment

Data are not available.

12.6 Endocrine disrupting properties

Not listed.

12.7 Other adverse effects

Data are not available.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Product / Packaging disposal

Product

Hazardous waste: Yes

European waste catalogue (EWC)

Waste code : 16 01 14*

Waste designation : antifreeze fluids containing hazardous substances

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

Packaging

Contaminated packaging: Uncontaminated packaging can be reused.

Packs that cannot be cleaned should be disposed of in the same manner as the contents

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to tl
industry and process.

Waste catalogue ordinance (Germany).

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management
facilities. Please consider the relevant national or regional provisions.

SECTION 14 Transport information

14.1 UN number

ADR/RID: Not assigned	IMDG: Not assigned	IATA: Not assigned

14.2 UN proper shipping name

ADR/RID: Not assigned	IMDG: Not assigned	IATA: Not assigned

14.3. Transport hazard class(es)

ADR/RID: Not assigned	IMDG: Not assigned	IATA: Not assigned

14.4. Packing group

ADR/RID: Not assigned	IMDG: Not assigned	IATA: Not assigned

14.5. Environmental hazards

ADR/RID: Not assigned IMDG: Not assigned IATA: Not assigned

14.6. Special precautions for user

No data available

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - Additional information

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

U.S. DOT HAZARD CLASSIFICATION

Not Regulated (unless package contains a reportable quantity)

Note: IF A SHIPMENT OF A REPORTABLE QUANTITY (5,000 LBS/560 GAL.) IN A SINGLE PACKAGE IS INVOLVED,
THE FOLLOWING INFORMATION APPLIES:

Bulk (in quantities 5,000 lbs or over in any one inner package):

Transport document description: UN3082 Environmentally hazardous substances, liquid, n.o.s. (Ethylene Glycol), 9

UN-No.(DOT) : UN3082

Proper Shipping Name (DOT) : Environmentally hazardous substances, liquid, n.o.s.(Ethylene Glycol)

Class (DOT) : 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

Packing group (DOT) : III - Minor Danger

Hazard labels (DOT) : 9 - Class 9 (Miscellaneous dangerous materials)

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 241

DOT Symbols : G - Identifies PSN requiring a technical name

DOT Packaging Exceptions (49 CFR 173.xxx) : 155

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : No limit

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : No limit

DOT Vessel Stowage Location : A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo ve
on a passenger vessel.

Other information : No supplementary information available.

SECTION 15 Regulatory Information

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

1. Ethylene Glycol

Relevant provisions of the European Union (EU)

Harmonised Classification : Acute Tox. 4 * (H302)

Major Accident Hazard Legislation : SEVESO III(Directive 2012/18/EU) - Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants(POPs) and amending Directive 79/117/EEC : Not regulated

Substances of very high concern (SVHC) & Candidate List : Not regulated

Relevant provisions of the U.S & CANADA

OSHA regulation (29 CFR1910.119) : No

CERCLA 103 regulation(40 CFR 302.4) : 2267.95kg 5000lb

EPCRA 302 regulation(40 CFR355.30) : No

EPCRA 304 regulation(40 CFR355.40) : No

EPCRA 311 & 312 regulation(40 CFR370) : Yes (Acute health hazard)

EPCRA 313 regulation(40 CFR372.65) : Yes

US. Toxic Substances Control Act : Listed

CALIFORNIA PROPOSITION 65 : Yes (Developmental)

U.S. State Right-to-Know Regulations

New Jersey: Listed

Massachusetts: Listed

Pennsylvania: Listed

Canada - National Pollutant Release Inventory (NPRI) : 1A(MPO 10tonnes)

CEPA - Domestic Substances List (DSL) : Listed

2. Water

Relevant provisions of the European Union (EU)

Harmonised Classification : Not classified

Major Accident Hazard Legislation : SEVESO III(Directive 2012/18/EU) - Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants(POPs) and amending Directive 79/117/EEC : Not regulated

Substances of very high concern (SVHC) & Candidate List : Not regulated

Relevant provisions of the U.S & CANADA

OSHA regulation (29 CFR1910.119) : No

CERCLA 103 regulation(40 CFR 302.4) : No

EPCRA 302 regulation(40 CFR355.30) : No

EPCRA 304 regulation(40 CFR355.40) : No

EPCRA 311 & 312 regulation(40 CFR370) : No

EPCRA 313 regulation(40 CFR372.65) : No

US. Toxic Substances Control Act : Not Listed

CALIFORNIA PROPOSITION 65 : Not Listed

U.S. State Right-to-Know Regulations

New Jersey: Not Listed

Massachusetts: Not Listed

Pennsylvania: Not Listed

Canada - National Pollutant Release Inventory (NPRI) : No listed

CEPA - Domestic Substances List (DSL) : Listed

3. Sebacic Acid

Relevant provisions of the European Union (EU)

Harmonised Classification : Not classified

Major Accident Hazard Legislation : SEVESO III(Directive 2012/18/EU) - Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants(POPs) and amending Directive 79/117/EEC : Not regulated

Substances of very high concern (SVHC) & Candidate List : Not regulated

Relevant provisions of the U.S & CANADA

OSHA regulation (29 CFR1910.119) : No

CERCLA 103 regulation(40 CFR 302.4) : No

EPCRA 302 regulation(40 CFR355.30) : No

EPCRA 304 regulation(40 CFR355.40) : No

EPCRA 311 & 312 regulation(40 CFR370) : No

EPCRA 313 regulation(40 CFR372.65) : No

US. Toxic Substances Control Act : Not Listed

CALIFORNIA PROPOSITION 65 : Not Listed

U.S. State Right-to-Know Regulations

New Jersey: Not Listed

Massachusetts: Not Listed

Pennsylvania: Not Listed

Canada - National Pollutant Release Inventory (NPRI) : No listed

CEPA - Domestic Substances List (DSL) : Listed

4. Potassium hydroxide

Relevant provisions of the European Union (EU)

Harmonised Classification : Skin Corr. 1A(H314), Acute Tox. 4(H302)

Major Accident Hazard Legislation : SEVESO III(Directive 2012/18/EU) - Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants(POPs) and amending Directive 79/117/EEC : Not regulated

Substances of very high concern (SVHC) & Candidate List : Not regulated

Relevant provisions of the U.S & CANADA

OSHA regulation (29 CFR1910.119) : No

CERCLA 103 regulation(40 CFR 302.4) : No

EPCRA 302 regulation(40 CFR355.30) : No

EPCRA 304 regulation(40 CFR355.40) : No

EPCRA 311 & 312 regulation(40 CFR370) : No

EPCRA 313 regulation(40 CFR372.65) : No

US. Toxic Substances Control Act : Not Listed

CALIFORNIA PROPOSITION 65 : Yes (Developmental)

U.S. State Right-to-Know Regulations

New Jersey: Listed

Massachusetts: Listed

Pennsylvania: Listed

Canada - National Pollutant Release Inventory (NPRI) : No listed

CEPA - Domestic Substances List (DSL) : Listed

National inventories

Country	Inventory	Status				Remarks
		1. Ethylene Glycol	2. Water	3. Sebacic Acid	4. Potassium hydroxide	
AU	AIIC	Listed	Listed	Listed	Listed	
CA	DSL	Listed	Listed	Listed	Listed	
CN	IECSC	Listed	Listed	Listed	Listed	
EU	ECSI	Listed	Listed	Listed	Listed	
EU	REACH REG.	Listed	Listed	Listed	Listed	
JP	CSCL-ENCS	Listed	Listed	Listed	Listed	
KR	KECI	Listed	Listed	Listed	Listed	
MX	INSQ	Listed	Listed	Listed	Listed	
NZ	NZIOC	Listed	Listed	Listed	Listed	
PH	PICCS	Listed	Listed	Listed	Listed	
TR	CICR	Listed	Listed	Listed	Listed	
TW	TCSI	Listed	Listed	Listed	Listed	
US	TSCA	Listed	Listed	Listed	Listed	

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

SECTION 16 Other Information

Key literature references and sources for data

According to US regulation OSHA Hazard Communication Standard 29 CFR 1910.1200 Appendix D

NFPA Ratings

Health: 1 Flammability: 1 Reactivity: 0

HMIS Ratings

Health: 1 Flammability: 1 Reactivity: 0

List of relevant phrases (code and full text as stated in section 2 and 3)

H302 : Harmful if swallowed.

H314 : Causes severe skin burns and eye damage.

H373 : May cause damage to organs (Kidney) through prolonged or repeated exposure if swallowed.

Disclaimer

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.