

2. HAZARDS IDENTIFICATION

2.1.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 [CLP]

2.1.2. Classification according to Directive 1999/45/EC

The product need to classified as dangerous according to Diretive 67/ 548/ EEC.



Irritant

H315 Causes skin irritation.

2.2 Label elements

The product needs to be labelled in accordance with EC directives or respective national laws.

Symbol



Signal word

Warning

H319 causes serious eye irritation

hazard Statement

H315 Causes skin irritation.

H372 Prolonged or repeated exposure causes damage to the body

Precautionary statement

Prevention

P264 Wash ... thoroughly after handling

P235+P410 Keep cool and protect from sunlight.

P271 Use only outdoors or in a well ventilated area

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

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention

Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up

P407 Maintain air gap between stacks or pallets

MSDS for **3. COMPOSITION / INFORMATION ON INGREDIENS**

3.1 Mixture

Components	%	Classification
Water CAS No. 7732-18-5 EINECS: 231-791-2	<40	Not a hazardous substance or mixture according to Regula No.1272/2008
Glycerine CAS No.: 56-81-5 EINECS: 200-289-5	<30	Not a hazardous substance or mixture according to Regula No.1272/2008

Components	%	Classification
C. I. ACID YELLOW 23 CAS No. 1934-21-0 EINECS: 217-699-5	<2	Not a hazardous substance or mixture according to Regula No.1272/2008
C. I. ACID RED 18 CAS No. 2611-82-7 EINECS: -	<5	Eye irritation; Cat. 2 Chronic hazards to the aquatic environment; Cat. 3 -H319 Cause serous eye irritation -H412 Harmful to aquatic life with long lasting effects.
C. I. ACID RED 92 CAS No. 18472-87-2 EINECS: 242-355-6	<10	Chronic hazards to the aquatic environment; Cat. 4 -H413 Harmful to aquatic life with long lasting effects.
ETHYLENE GLYCOL CAS No. 107-21-1 EINECS: 203-473-3	<5	Reproductive toxicity Cat. 1B Specific target organ toxicity following single exposure Cat -H372 Prolonged or repeated exposure causes damage to
XANTHAN GUM CAS No. 11138-66-2 EINECS: 234-394-2	<20	Not a hazardous substance or mixture according to Regula No.1272/2008
TRIETHANOLAMINE CAS No. 102-71-6 EINECS: 203-049-8	<1	Skin sensitization; Cat. 1 Skin irritation; Cat. 2 Eye irritation; Cat. 2 Specific target organ toxicity following single exposure; Cat -H317 May cause an allergic skin reaction -H315 Causes skin irritation. -H319 Cause serous eye irritation. -H335 Respiratory tract irritation.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Supply fresh air; consult doctor in case of complaints.
Skin contact	Immediately wash with water and soap and rinse thoroughly.
Eye contact	Rince opened eye for several minutes under running water.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of spill into water course or sewage system.

MSDS for #75731-1024 PNEC No to enter to enter sewers/ surface or ground water.

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6.3 Methods and material for containment and cleaning up

No data available

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(according to Regulation EC 1907/2006)

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Store in cool, dry place in tightly close receptacles.

Ensure good ventilation/exhaustion at the work place. Keep ignition sources away- Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool location. Store away from sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Occupational exposure limits

DNELs; Not available

PNECs; Not available

8.2 Appropriate engineering controls

No data available

8.3 Personal protection equipment

General protective and wash hands before breaks and at the end of work.

hygienic measures

Eye and face protection

Tightly sealed goggles.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection

The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given. The product/ the preparation/ the chemical mixture.

9. PHYSICAL & CHEMICAL PROPERTIES

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10. STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No decomposition if used according to specifications.
10.5 Incompatiable metarials	No data available
10.6 Hazardous decomposition products	No dangerous decomposition product known.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure	No data available
11.2 Information on toxicological effects	
Acute toxicity	No data available
Skin corrosion/ irritation	No data available
Serious eye damage/ irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is probably n based on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	Heavily removable from water.

MSDS for #75731-1024	14.1 UN number	Not regulated	
	14.2 UN proper shipping name	Not regulated	
	14.3 Transport hazard class(es)	Not regulated as a hazardous for transportation.	Page 5 of 36
	14.4 Packing group	Not regulated	
	14.5 Enviromental hazards	No	
	14.6 Special precautions for user	Not regulated	

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15. REGULATORY INFORMATION

15.1 Regulatory information

This is safety datasheet complies with the requirments of Regulation (EC) No 1272/2008 [CLP]

15.2 Chemical Dafety Assessment:

No data available

15.3 Iventory status

SARA

- Section 335 (extremely hazardous substance): Non of the ingredien
- Section 313 (Speciafic toxic chemical listings): Non of the ingredien
- TSCA(Toxic Substance Control Act): Non of the ingredien

Proposition 65

- known to cause cancer Non of the ingredien

- known to cause reproductive toxicity for meals Non of the ingredien

- known to cause developmental toxicity Non of the ingredien

Carcinogenicity categories

- EPA Non of the ingredien
- IARC Non of the ingredien
- NTP Non of the ingredien
- TLV Non of the ingredien
- NIOSH-Ca Non of the ingredien
- OSHA-Ca Non of the ingredien

16. OTHER INFORMATION

16. OTHER INFORMATION

EC - European Community
EEC - The European Economic Community
EPA - Environmental Protection Agency
GHS- Global Harmonized System
IARC - International Agency for Research on Cancer

NIOSH - National Institute for Occupational Safety and Health
NTP - The National Toxicology Program
OSHA - Occupational Safety and Health Administration
TLV - Threshhold Limit Value established by ACGIH
TWA - 8-hour Time Weighted Averages
STOT - Specific Target Organ Toxicity

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2.1.1 Classification of the substance or mixture

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The product need to classified as dangerous according to Diretive 67/ 548/ EEC.



Irritant

H315 Causes skin irritation.

2.2 Label elements

The product needs to be labelled in accordance with EC directives or respective national laws.

Symbol



Signal word

Warning

H319 causes serious eye irritation

hazard Statement

H315 Causes skin irritation.

H372 Prolonged or repeated exposure causes damage to the body

Precautionary statement

Prevention

P264 Wash ... thoroughly after handling

P235+P410 Keep cool and protect from sunlight.

P271 Use only outdoors or in a well ventilated area

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

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention

Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up

P407 Maintain air gap between stacks or pallets

MSDS for **3. COMPOSITION / INFORMATION ON INGREDIENTS**

3.1 Mixture

Components	%	Classification
Water CAS No. 7732-18-5 EINECS: 231-791-2	<40	Not a hazardous substance or mixture according to Regulation No.1272/2008
Glycerine CAS No.: 56-81-5 EINECS: 200-289-5	<30	Not a hazardous substance or mixture according to Regulation No.1272/2008

Components	%	Classification
C. I. ACID RED 92 CAS No. 18472-87-2 EINECS: 242-355-6	<5	Chronic hazards to the aquatic environment; Cat. 4 -H413 Harmful to aquatic life with long lasting effects.
ETHYLENE GLYCOL CAS No. 107-21-1 EINECS: 203-473-3	<5	Reproductive toxicity Cat. 1B Specific target organ toxicity following single exposure Cat. 3 -H372 Prolonged or repeated exposure causes damage to organs
XANTHAN GUM CAS No. 11138-66-2 EINECS: 234-394-2	<20	Not a hazardous substance or mixture according to Regulation No.1272/2008
TRIETHANOLAMINE CAS No. 102-71-6 EINECS: 203-049-8	<1	Skin sensitization; Cat. 1 Skin irritation; Cat. 2 Eye irritation; Cat. 2 Specific target organ toxicity following single exposure; Cat. 3 -H317 May cause an allergic skin reaction -H315 Causes skin irritation. -H319 Cause serious eye irritation. -H335 Respiratory tract irritation.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Supply fresh air; consult doctor in case of complaints.
Skin contact	Immediately wash with water and soap and rinse thoroughly.
Eye contact	Rinse opened eye for several minutes under running water.
Ingestion	If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

A fire extinguisher water, foam, CO₂, NaHCO₃

5.2 Special hazards arising from the substance or mixture

None

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(according to Regulation EC 1907/2006)

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Store in cool, dry place in tightly close receptacles.

Ensure good ventilation/exhaustion at the work place. Keep ignition sources away- Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool location. Store away from sunlight.

8. EXPOSURE CONTOLS / PERSONAL PROTECTION

8.1 Occupational exposure limits

DNELs; Not available

PNECs; Not available

8.2 Appropriate engineering controls

No data available

8.3 Personal protection equipment

General protective and wash hands before breaks and at the end of work.

hygienic measures

Eye and face protection

Tightly sealed goggles.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilati

Hand protection

The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be made for the product/ the preparation/ the chemical mixture.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Properties	Product (GID-PINK)	Properties	
Appearance	Liquid (PINK)	Vapor pressure	No d
Odor	Odorless	Vapor destiny	No d
Odor threshold	No data available	Relative destiny	1.1

10. STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No decomposition if used according to specifications.
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	No dangerous decomposition product known.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure	No data available
11.2 Information on toxicological effects	
Acute toxicity	No data available
Skin corrosion/ irritation	No data available
Serious eye damage/ irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is probably n based on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	Heavily removable from water.
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	May be accumulated in organism
12.5 Other adverse effects	Do not allow undiluted product or large quantities of it to ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal instructions	Must not be disposed together with household garbage. D product to reach sewage system.
13.2 Waste from residues / unused products	No data available
13.3 Contaminated packaging	No data available

15. REGULATORY INFORMATION

15.1 Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No 1272/2008 [CLP]

15.2 Chemical Safety Assessment:

No data available

15.3 Inventory status

SARA

- Section 335 (extremely hazardous substance): Non of the ingredien
- Section 313 (Specific toxic chemical listings): Non of the ingredien
- TSCA (Toxic Substance Control Act): Non of the ingredien

Proposition 65

- known to cause cancer Non of the ingredien
- known to cause reproductive toxicity for meals Non of the ingredien
- known to cause developmental toxicity Non of the ingredien

Carcinogenicity categories

- EPA Non of the ingredien
- IARC Non of the ingredien
- NTP Non of the ingredien
- TLV Non of the ingredien
- NIOSH-Ca Non of the ingredien
- OSHA-Ca Non of the ingredien

16. OTHER INFORMATION

16. OTHER INFORMATION

The contents and format of this MSDS/SDS are in accordance with Regulation (EC) No 1907/2006 and European Commission Directive 1999/45/EC, 67/548/EEC.

• Reference

- KOSHA - Chemical information database system
- Other MSDS (YOU&I Corporation, Sigma-aldrich, Science lab, Guidechem)
- International uniform Chemical Safety Cards (ICSC).
- Hazardous Substances Data Bank (HSDB) (<http://toxnet.nlm.nih.gov/cgi-bin/sis/>)
- Corporate Solution From ThomsonMicromedex(<http://csi.micromedex.com>)
- ECB-ESIS(European chemical Substances Information System)(<http://ecb.jrc.it/esis/>)
- ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
- IUCLID Chemical Data Sheet, EC-ECB
- International Chemical Safety Cards(ICSC)(<http://www.nihs.go.jp/ICSC>)
- TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)

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2.1.2. Classification according to Directive 1999/45/EC

The product need to classified as dangerous according to Diretive 67/ 548/ EEC.



Irritant

H315 Causes skin irritation.

2.2 Label elements

The product needs to be labelled in accordance with EC directives or respective national laws.

Symbol



Signal word

Warning

H319 causes serious eye irritation

hazard Statement

H315 Causes skin irritation.

H372 Prolonged or repeated exposure causes damage to the body

Precautionary statement

Prevention

P264 Wash ... thoroughly after handling

P235+P410 Keep cool and protect from sunlight.

P271 Use only outdoors or in a well ventilated area

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

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

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Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up

P407 Maintain air gap between stacks or pallets

MSDS for **3. COMPOSITION / INFORMATION ON INGREDIENTS**

3.1 Mixture

Components	%	Classification
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Components	%	Classification
C. I. ACID RED 92 CAS No. 18472-87-2 EINECS: 242-355-6	<5	Chronic hazards to the aquatic environment; Cat. 4 -H413 Harmful to aquatic life with long lasting effects.
C. I. ACID YELLOW 23 CAS No. 1934-21-0 EINECS: 217-699-5	<3	Not a hazardous substance or mixture according to Regulation No.1272/2008
ETHYLENE GLYCOL CAS No. 107-21-1 EINECS: 203-473-3	<5	Reproductive toxicity Cat. 1B Specific target organ toxicity following single exposure Cat. 3 -H372 Prolonged or repeated exposure causes damage to reproductive system
XANTHAN GUM CAS No. 11138-66-2 EINECS: 234-394-2	<20	Not a hazardous substance or mixture according to Regulation No.1272/2008
TRIETHANOLAMINE CAS No. 102-71-6 EINECS: 203-049-8	<1	Skin sensitization; Cat. 1 Skin irritation; Cat. 2 Eye irritation; Cat. 2 Specific target organ toxicity following single exposure; Cat. 3 -H317 May cause an allergic skin reaction -H315 Causes skin irritation. -H319 Cause serious eye irritation. -H335 Respiratory tract irritation.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Supply fresh air; consult doctor in case of complaints.
Skin contact	Immediately wash with water and soap and rinse thoroughly.
Eye contact	Rinse opened eye for several minutes under running water.
Ingestion	If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES

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(according to Regulation EC 1907/2006)

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Store in cool, dry place in tightly close receptacles.

Ensure good ventilation/exhaustion at the work place. Keep ignition sources away- Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool location. Store away from sunlight.

8. EXPOSURE CONTOLS / PERSONAL PROTECTION

8.1 Occupational exposure limits

DNELs; Not available

PNECs; Not available

8.2 Appropriate engineering controls

No data available

8.3 Personal protection equipment

General protective and wash hands before breaks and at the end of work.

hygienic measures

Eye and face protection

Tightly sealed goggles.

Repiratory protection

Use suitable respiratory protective device in case of insufficient ventilati

Hand protection

The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be g
the product/ the preparation/ the chemical mixture.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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10. STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No decomposition if used according to specifications.
10.5 Incompatible metaterials	No data available
10.6 Hazardous decomposition products	No dangerous decomposition product known.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure	No data available
11.2 Information on toxicological effects	
Acute toxicity	No data available
Skin corrosion/ irritation	No data available
Serious eye damage/ irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is probably n based on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	Heavily removable from water.
12.3 Biocccumulative potencial	No data available
12.4 Mobility in soil	May be accumulated in organism
12.5 Other adverse effects	Do not allow undiluted product or large quantities of it to ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

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15. REGULATORY INFORMATION

15.1 Regulatory information

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15.2 Chemical Dafety Assessment:

No data available

15.3 Iventory status

SARA

- | | |
|--|----------------------|
| - Section 335 (extremely hazardous substance): | Non of the ingredien |
| - Section 313 (Speciafic toxic chemical listings): | Non of the ingredien |
| - TSCA(Toxic Substance Control Act): | Non of the ingredien |

Proposition 65

- | | |
|--|----------------------|
| - known to cause cancer | Non of the ingredien |
| - known to cause reproductive toxicity for meals | Non of the ingredien |
| - known to cause developmental toxicity | Non of the ingredien |

Carcinogenicity categories

- | | |
|------------|----------------------|
| - EPA | Non of the ingredien |
| - IARC | Non of the ingredien |
| - NTP | Non of the ingredien |
| - TLV | Non of the ingredien |
| - NIOSH-Ca | Non of the ingredien |
| - OSHA-Ca | Non of the ingredien |

16. OTHER INFORMATION

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The contents and format of this MSDS/SDS are in accordance with Regulation (EC) No
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• Reference

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 Other MSDS (YOU&I Corporation, Sigma-aldrich, Science lab, Guidechem)
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Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 [CLP]

2.1.2. Classification according to Directive 1999/45/EC

The product need to classified as dangerous according to Diretive 67/ 548/ EEC.

**Irritant**

H315 Causes skin irritation.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws

Symbol



Signal word

Warning

H319 causes serious eye irritation

hazard Statement

H315 Causes skin irritation.

H372 Prolonged or repeated exposure causes damage to the body

Precautionary statement

Prevention

P201 Obtain special instructions before use.

P264 Wash ... thoroughly after handling

P235+P410 Keep cool and protect from sunlight.

P271 Use only outdoors or in a well ventilated area

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

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention

Storage


P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up

P407 Maintain air gap between stacks or pallets

3.1 Mixture

MSDS for #75731 - PENS	Components	%	Classification
	Water CAS No. 7732-18-5 EINECS: 231-791-2	<40	The product does not require a hazard warning label in accordance with GHS criteria.
	Glycerine CAS No.: 56-81-5 EINECS: 200-289-5	<30	The product does not require a hazard warning label in accordance with GHS criteria.

Components	%	Classification
C. I. ACID BLUE 9 CAS No. 2650-18-2 EINECS: 220-168-0	<5	The product does not require a hazard warning label in accordance with GHS criteria.
C. I. ACID YELLOW 23 CAS No. 1934-21-0 EINECS: 217-699-5	<3	The product does not require a hazard warning label in accordance with GHS criteria.
ETHYLENE GLYCOL CAS No. 107-21-1 EINECS: 203-473-3	<5	 Acute Tox. 4 ; H302
XANTHAN GUM CAS No. 11138-66-2 EINECS: 234-394-2	<20	The product does not require a hazard warning label in accordance with GHS criteria.
TRIETHANOLAMINE CAS No. 102-71-6 EINECS: 203-049-8	<1	The product does not require a hazard warning label in accordance with GHS criteria.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Supply fresh air; consult doctor in case of complaints.
Skin contact	Immediately wash with water and soap and rinse thoroughly.
Eye contact	Rinse opened eye for several minutes under running water.
Ingestion	If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

A fire extinguisher water, foam, CO₂, NaHCO₃

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Wear fully protective suit. Mouth respiratory protective device. Do not inhale explosion gases or combustion products.

5.4 Special Information

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Store in cool, dry place in tightly close receptacles.

Ensure good ventilation/exhaustion at the work place. Keep ignition sources away- Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool location. Store away from sunlight.

8. EXPOSURE CONTOLS / PERSONAL PROTECTION

8.1 Occupational exposure limits

DNELs; Not available

PNECs; Not available

8.2 Appropriate engineering controls

No data available

8.3 Personal protection equipment

General protective and wash hands before breaks and at the end of work.

hygienic measures

Eye and face protection

Tightly sealed goggles.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection

The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Properties	Product (GID-Y. GREEN)	Properties	(GID-Y. GREEN)
Appearance	Liquid (Y. GREEN)	Vapor pressure	No data available
Odor	Odorless	Vapor density	No data available
Odor threshold	No data available	Relative density	1.1
PH	8.0 ± 1.0	Solubility	Fully soluble
Melting point/ Freezing point	No data available	Partition coefficient: n-octanol/ water	No data available
Boiling point and range	>100°C	Auto-ignition temperature	No data available
Flash point	No data available	Decomposition temperature	No data available
Evaporation rate	No data available	Viscosity	90

10.1 Reactivity	No data available
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No decomposition if used according to specifications.
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	No dangerous decomposition product known.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure	No data available
11.2 Information on toxicological effects	
Acute toxicity	No data available
Skin corrosion/ irritation	No data available
Serious eye damage/ irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is probably n based on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	Heavily removable from water.
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	May be accumulated in organism
12.5 Other adverse effects	Do not allow undiluted product or large quantities of it to ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal instructions	Must not be disposed together with household garbage. D product to reach sewage system.
13.2 Waste from residues / unused products	No data available
13.3 Contaminated packaging	No data available

14. TRANSPORT INFORMATION

14. TRANSPORT INFORMATION	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated as a hazardous for transportation.

15.2 Chemical Safety Assessment:

No data available

15.3 Inventory status
MSDS for #75731 - PENS
SARA

- Section 335 (extremely hazardous substance):	Non of the ingredien
- Section 313 (Speciafic toxic chemical listings):	Non of the ingredien
- TSCA(Toxic Substance Control Act):	Non of the ingredien
Proposition 65	
- known to cause cancer	Non of the ingredien
- known to cause reproductive toxicity for meals	Non of the ingredien
- known to cause developmental toxicity	Non of the ingredien
Carcinogenicity categories	
- EPA	Non of the ingredien
- IARC	Non of the ingredien
- NTP	Non of the ingredien
- TLV	Non of the ingredien
- NIOSH-Ca	Non of the ingredien
- OSHA-Ca	Non of the ingredien

16. OTHER INFORMATION

16. OTHER INFORMATION

The contents and format of this MSDS/SDS are in accordance with Regulation (EC) No 1907/2006
Eu Commission Directive 1999/45/EC, 67/548/EEC.

• Reference

- KOSHA - Chemical information database system
- Other MSDS (YOU&I Corporation, Sigma-aldrich, Science lab, Guidechem)
- International uniform Chemical Safety Cards (ICSC).
- Hazardous Substances Data Bank (HSDB) (<http://toxnet.nlm.nih.gov/cgi-bin/sis/>)
- Corporate Solution From ThomsonMicromedex(<http://csi.micromedex.com>)
- ECB-ESIS(European chemical Substances Information System)(<http://ecb.jrc.it/es/>)
- ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
- IUCLID Chemical Data Sheet, EC-ECB
- International Chemical Safety Cards(ICSC)(<http://www.nihs.go.jp/ICSC>)
- TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)

• Abbreviation and acronyms

- ACGIH - American Conference of Industrial Hygiensts
- CAS - Chmical Abstracts Serviece
- EC - European Community
- EEC - The European Economic Community
- EPA - Environmental Protection Agency
- GHS- Global Harmonized System
- IARC - International Agency for Research on Cancer
- NIOSH - National Institute for Occupational Sauty and Health
- NTP - The National Toxicology Program
- OSHA - Occupational Safety and Health Administration
- TLV - Threshold Limit Value established by ACGIH
- TWA - 8-hour Time Weighted Averages

2. HAZARDS IDENTIFICATION

2.1.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 [CLP]

2.1.2. Classification according to Directive 1999/45/EC

This substance is not classified as dangerous according to Directive 67/ 548/ EEC.



Irritant

H315 Causes skin irritation.

2.2 Label elements

The product needs to be labelled in accordance with EC directives or respective national laws.

Symbol



Signal word

Warning

H319 causes serious eye irritation

hazard Statement

H315 Causes skin irritation.

H372 Prolonged or repeated exposure causes damage to the body

Precautionary statement

Prevention

P201 Obtain special instructions before use.

P264 Wash ... thoroughly after handling

P271 Use only outdoors or in a well ventilated area

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

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up

3.1 Mixture

MSDS for #75731 - PENS	Components	%	Classification
	Water CAS No. 7732-18-5 EINECS: 231-791-2	<40	Not a hazardous substance or mixture according to Regulation No.1272/2008
	Glycerine CAS No.: 56-81-5 EINECS: 200-289-5	<30	Not a hazardous substance or mixture according to Regulation No.1272/2008

Components	%	Classification
C. I. ACID BLUE 9 CAS No. 2650-18-2 EINECS: 220-168-0	<5	Not a hazardous substance or mixture according to Regulation No.1272/2008
ETHYLENE GLYCOL CAS No. 107-21-1 EINECS: 203-473-3	<5	Reproductive toxicity Cat. 1B Specific target organ toxicity following single exposure Cat. 3 -H372 Prolonged or repeated exposure causes damage to reproductive organs
XANTHAN GUM CAS No. 11138-66-2 EINECS: 234-394-2	<20	Not a hazardous substance or mixture according to Regulation No.1272/2008
TRIETHANOLAMINE CAS No. 102-71-6 EINECS: 203-049-8	<1	Skin sensitization; Cat. 1 Skin irritation; Cat. 2 Eye irritation; Cat. 2 Specific target organ toxicity following single exposure; Cat. 3 -H317 May cause an allergic skin reaction -H315 Causes skin irritation. -H319 Cause serious eye irritation. -H335 Respiratory tract irritation.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Supply fresh air; consult doctor in case of complaints.
Skin contact	Immediately wash with water and soap and rinse thoroughly.
Eye contact	Rinse opened eye for several minutes under running water.
Ingestion	If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES**5.1 Extinguishing media**

A fire extinguisher water, foam, CO₂, NaHCO₃

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Wear fully protective suit. Mouth respiratory protective device. Do not inhale explosion gases or combustion products.

5.4 Special Information

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Store in cool, dry place in tightly close receptacles.

Ensure good ventilation/exhaustion at the work place. Keep ignition sources away- Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool location. Store away from sunlight.

8. EXPOSURE CONTOLS / PERSONAL PROTECTION

8.1 Occupational exposure limits

DNELs; Not available

PNECs; Not available

8.2 Appropriate engineering controls

No data available

8.3 Personal protection equipment

General protective and wash hands before breaks and at the end of work.

hygienic measures

Eye and face protection

Tightly sealed goggles.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilati

Hand protection

The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be the product/ the preparation/ the chemical mixture.

9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Properties	Product (GID-S. BLUE)	Properties	(G
Appearance	Liquid (S. BLUE)	Vapor pressure	No c
Odor	Odorless	Vapor destiny	No c
Odor threshold	No data available	Relative density	1.1
PH	8.0 ± 1.0	Solubility	Fu
Melting point/ Freezing point	No data available	Partition coefficient: n-octanol/ water	No c
Boiling point and range	>100°C	Auto-ignition temperature	No
Flash point	No data available	Decomposition temperature	No c

10.1 Reactivity	No data available
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No decomposition if used according to specifications.
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	No dangerous decomposition product known.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure	No data available
11.2 Information on toxicological effects	
Acute toxicity	No data available
Skin corrosion/ irritation	No data available
Serious eye damage/ irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is probably n based on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	Heavily removable from water.
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	May be accumulated in organism
12.5 Other adverse effects	Do not allow undiluted product or large quantities of it to ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal instructions	Must not be disposed together with household garbage. D product to reach sewage system.
13.2 Waste from residues / unused products	No data available
13.3 Contaminated packaging	No data available

14. TRANSPORT INFORMATION

14. TRANSPORT INFORMATION	
14.1 UN number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated as a hazardous for transportation.

15.3 Inventory status

SARA

MSDS for #75731	- Section 335 (extremely hazardous substance):	Non of the ingredient
	- PENS	Page 29 of 36
	- Section 313 (Specific toxic chemical listings):	Non of the ingredient
	- TSCA(Toxic Substance Control Act):	Non of the ingredient
	Proposition 65	
	- known to cause cancer	Non of the ingredient
	- known to cause reproductive toxicity for meals	Non of the ingredient
	- known to cause developmental toxicity	Non of the ingredient
	Carcinogenicity categories	
	- EPA	Non of the ingredient
	- IARC	Non of the ingredient
	- NTP	Non of the ingredient
- TLV	Non of the ingredient	
- NIOSH-Ca	Non of the ingredient	
- OSHA-Ca	Non of the ingredient	

16. OTHER INFORMATION**16. OTHER INFORMATION**

The contents and format of this MSDS/SDS are in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on Classification, Labelling and Packaging of Substances and Mixtures (CLP), and Commission Directive 1999/45/EC, 67/548/EEC.

• Reference

KOSHA - Chemical information database system
 Other MSDS (YOU&I Corporation, Sigma-aldrich, Science lab, Guidechem)
 International uniform Chemical Safety Cards (ICSC).
 Hazardous Substances Data Bank (HSDB) (<http://toxnet.nlm.nih.gov/cgi-bin/sis/>)
 Corporate Solution From ThomsonMicromedex(<http://csi.micromedex.com>)
 ECB-ESIS(European chemical Substances Information System)(<http://ecb.jrc.it/es/>)
 ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
 IUCLID Chemical Data Sheet, EC-ECB
 International Chemical Safety Cards(ICSC)(<http://www.nihs.go.jp/ICSC>)
 TOXNET, U.S. National Library of Medicine(<http://toxnet.nlm.nih.gov>)

• Abbreviation and acronyms

ACGIH - American Conference of Industrial Hygienists
 CAS - Chemical Abstracts Service
 EC - European Community
 EEC - The European Economic Community
 EPA - Environmental Protection Agency
 GHS- Global Harmonized System
 IARC - International Agency for Research on Cancer
 NIOSH - National Institute for Occupational Safety and Health
 NTP - The National Toxicology Program
 OSHA - Occupational Safety and Health Administration
 TLV - Threshold Limit Value established by ACGIH
 TWA - 8-hour Time Weighted Averages

Disclaimer of Liability

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the product described or their suitability for a particular application. ~~YOU~~ ^{BY Corporation} assumes no responsibility for personal injury or property damage caused by the material. Users assume all risks associated with the use of the material.

2. HAZARDS IDENTIFICATION

2.1.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 [CLP]

2.1.2. Classification according to Directive 1999/45/EC

This substance is not classified as dangerous according to Directive 67/ 548/ EEC.



Irritant

H315 Causes skin irritation.

2.2 Label elements

The product needs to be labelled in accordance with EC directives or respective national laws.

Symbol



Signal word

Warning

hazard Statement

H319 causes serious eye irritation

H315 Causes skin irritation.

H372 Prolonged or repeated exposure causes damage to the body

Precautionary statement

Prevention

P201 Obtain special instructions before use.

P264 Wash ... thoroughly after handling

P271 Use only outdoors or in a well ventilated area

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

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up

3.1 Mixture

MSDS for #75731 - PENS	Components	%	Classification
	Water CAS No. 7732-18-5 EINECS: 231-791-2	<40	Not a hazardous substance or mixture according to Regulation No.1272/2008
	Glycerine CAS No.: 56-81-5 EINECS: 200-289-5	<30	Not a hazardous substance or mixture according to Regulation No.1272/2008

Components	%	Classification
C. I. ACID RED 52 CAS No. 3520-42-1 EINECS: -	<5	Not a hazardous substance or mixture according to Regulation No.1272/2008
C. I. ACID BLUE 9 CAS No. 2650-18-2 EINECS: 220-168-0	<5	Not a hazardous substance or mixture according to Regulation No.1272/2008
ETHYLENE GLYCOL CAS No. 107-21-1 EINECS: 203-473-3	<5	Reproductive toxicity Cat. 1B Specific target organ toxicity following single exposure Cat. 3 -H372 Prolonged or repeated exposure causes damage to reproductive system
XANTHAN GUM CAS No. 11138-66-2 EINECS: 234-394-2	<20	Not a hazardous substance or mixture according to Regulation No.1272/2008
TRIETHANOLAMINE CAS No. 102-71-6 EINECS: 203-049-8	<1	Skin sensitization; Cat. 1 Skin irritation; Cat. 2 Eye irritation; Cat. 2 Specific target organ toxicity following single exposure; Cat. 3 -H317 May cause an allergic skin reaction -H315 Causes skin irritation. -H319 Cause serous eye irritation. -H335 Respiratory tract irritation.

4. FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Supply fresh air; consult doctor in case of complaints.
Skin contact	Immediately wash with water and soap and rinse thoroughly.
Eye contact	Rince opened eye for several minutes under running water.
Ingestion	If symptoms persist consult doctor.

5. FIRE FIGHTING MEASURES**5.1 Extinguishing media**

A fire extinguisher water, foam, CO₂, NaHCO₃

5.2 Special hazards arising from the substance or mixture

None

Revision

N.A.

(according to Regulation EC 1907/2006)

Printing date

09 Mar. 2015

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Store in cool, dry place in tightly close receptacles.

Ensure good ventilation/exhaustion at the work place. Keep ignition sources away- Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool location. Store away from sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Occupational exposure limits**

DNELs; Not available

PNECs; Not available

8.2 Appropriate engineering controls

No data available

8.3 Personal protection equipment

General protective and wash hands before breaks and at the end of work.

hygienic measures

Eye and face protection

Tightly sealed goggles.

Respiratory protection

Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection

The gloves material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

9. PHYSICAL & CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Properties	Product (GID-VIOLET)	Properties	(G
Appearance	Liquid (VIOLET)	Vapor pressure	No d
Odor	Odorless	Vapor density	No d
Odor threshold	No data available	Relative density	1.1
PH	8.0 ± 1.0	Solubility	Fu
Melting point/ Freezing point	No data available	Partition coefficient: n-octanol/ water	No d

10. STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	No dangerous reactions known.
10.4 Conditions to avoid	No decomposition if used according to specifications.
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	No dangerous decomposition product known.

11. TOXICOLOGICAL INFORMATION

11.1 Routes of exposure	No data available
11.2 Information on toxicological effects	
Acute toxicity	No data available
Skin corrosion/ irritation	No data available
Serious eye damage/ irritation	No data available
Respiratory or skin sensation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is probably n based on its IARC, ACGIH, NTP, or EPA classification.
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	Heavily removable from water.
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	May be accumulated in organism
12.5 Other adverse effects	Do not allow undiluted product or large quantities of it to ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal instructions	Must not be disposed together with household garbage. D product to reach sewage system.
13.2 Waste from residues / unused products	No data available
13.3 Contaminated packaging	No data available

14. TRANSPORT INFORMATION**14. TRANSPORT INFORMATION**

15.1 Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No 1272/2008 [CLP]

15.2 Chemical Safety Assessment:

MSDS for #75731 - PENS

No data available

Page 35 of 36

15.3 Inventory status

SARA

- Section 335 (extremely hazardous substance): Non of the ingredient
- Section 313 (Specific toxic chemical listings): Non of the ingredient
- TSCA (Toxic Substances Control Act): Non of the ingredient

Proposition 65

- known to cause cancer: Non of the ingredient
- known to cause reproductive toxicity for meals: Non of the ingredient
- known to cause developmental toxicity: Non of the ingredient

Carcinogenicity categories

- EPA: Non of the ingredient
- IARC: Non of the ingredient
- NTP: Non of the ingredient
- TLV: Non of the ingredient
- NIOSH-Ca: Non of the ingredient
- OSHA-Ca: Non of the ingredient

16. OTHER INFORMATION

16. OTHER INFORMATION

The contents and format of this MSDS/SDS are in accordance with Regulation (EC) No 1272/2008 [CLP] and the European Commission Directive 1999/45/EC, 67/548/EEC.

• Reference

KOSHA - Chemical information database system
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Corporate Solution From ThomsonMicromedex(<http://csi.micromedex.com>)
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ECOTOX Database, EPA(<http://cfpub.epa.gov/ecotox>)
IUCLID Chemical Data Sheet, EC-ECB
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EPA - Environmental Protection Agency
GHS- Global Harmonized System
IARC - International Agency for Research on Cancer
NIOSH - National Institute for Occupational Safety and Health
NTP - The National Toxicology Program

· Disclaimer of Liability

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