

SAFETY DATA SHEET		
MIRANOL ULTRA L-32		
Revision: 1.03 CN (EN)	Issuing date: 2013-09-03	

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

1.1 Product identifier

Trade name : MIRANOL ULTRA L-32

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

Uses of the Substance/Mixture : Specific use(s): Surfactants used in cosmetics

1.3 Details of the supplier of the safety data sheet

Company : Solvay (Zhenjiang) Chemical Co., Ltd.
 No. 66, Song Lin Shan Road, Zhenjiang New Area, Zhenjiang, Jiangsu, China
 212006.
 Tel.: +86 511 8530 5277
 Fax : +86 511 8530 5378

Rhodia Thai Holdings Ltd.
 342 Bangpoo Industrial Estate, Praeksa, Muang, Samutprakarn 10280,
 Thailand
 Tel: +662 709 4112
 Fax: +662 709 4840

E-mail address : information.fds@solvay.com

1.4 Emergency telephone number

MULTI LINGUAL EMERGENCY NUMBER (24/7)
 Europe/America/Africa : +44 1235 239 670 (UK)
 Middle East/Africa speaking Arabic : +44 1235 239 671 (UK)
 Asia Pacific : +65 3158 1074 (Singapore)
 China : +86 10 5100 3039 (Beijing)

China (Domestic Only): +86 532 8388 9090 (Qingdao)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye irritation, Category 2A	H319: Causes serious eye irritation.
Acute aquatic toxicity, Category 2	H401: Toxic to aquatic life.

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2.2 Label elements

Hazardous products which must be listed on the label:

- 68608-66-2 Acetic acid, chloro-, sodium salt, reaction products with 4,5-dihydro-2-undecyl-1H-imidazole-1-ethanol and sodium hydroxide
- 106-09-2 N-[2-[(2-hydroxyethyl)amino]ethyl]dodecanamide

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Pictogram



Signal word

: Warning

Hazard statements

: H319 Causes serious eye irritation.
H401 Toxic to aquatic life.

Precautionary statements

: **General:**
None
Prevention:
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/ 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.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
Storage:
None
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards which do not result in classification

no data available

SECTION 3: Composition/information on ingredients

3.1 Substance

Not applicable, this product is a mixture.

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3.2 Mixture

Chemical nature : Aqueous solution of
Sodium lauroamphoacetate

Information on Components and Impurities

Chemical Name	CAS-No.	Identification number	GHS Classification	Concentration [%]
Acetic acid, chloro-, sodium salt, reaction products with 4,5-dihydro-2-undecyl-1H-imidazole-1-ethanol and sodium hydroxide	68608-66-2	not applicable	Acute toxicity , Category 5 ; H303 Acute toxicity , Category 5 ; H313 Eye irritation , Category 2A ; H319 Acute aquatic toxicity , Category 2 ; H401	>= 30 - < 40
sodium chloride	7647-14-5	not applicable	Acute toxicity , Category 5 ; H303	>= 5 - < 10
sodium glycollate	2836-32-0	not applicable	Acute toxicity , Category 4 ; H332	>= 1 - < 5
N-[2-[(2-hydroxyethyl)amino]ethyl]dodec anamide	106-09-2	not applicable	Acute aquatic toxicity , Category 2 ; H401	>= 1 - < 5

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Show this safety data sheet to the doctor in attendance.
First aider needs to protect himself.
Place affected clothing in a sealed bag for subsequent decontamination.

If inhaled : not applicable

Skin contact : Take off contaminated clothing and shoes immediately.
Wash off with plenty of water.
Call a physician if irritation develops or persists.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a physician

Ingestion : Do NOT induce vomiting.
Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

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Flash point : Not applicable aqueous liquid for which the organic components have flash point > 100 °C

Auto-ignition temperature : no data available

Flammability/Explosive limit : no data available

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO2)
Multi-purpose powders
Foam
Water spray

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks.
On combustion, toxic gases are released.

5.3 Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus (EN 133)
Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Specific fire fighting methods : Cool containers / tanks with water spray.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures : Avoid contact with the skin and the eyes.
Keep away from flames and sparks.
Remove all sources of ignition.
Ventilate the area.
Personal protective equipment
Wear suitable protective clothing.
Wear suitable gloves.
Tightly fitting safety goggles
Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Contain the spilled material by bunding.

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6.3 Methods and materials for containment and cleaning up

- | | | |
|--------------------------|---|--|
| Recovery | : | Absorb the product onto porous material.
Clean up promptly by sweeping or vacuum.
Keep in properly labelled containers.
Keep in suitable, closed containers for disposal. |
| Decontamination/cleaning | : | Wash off with plenty of water.
Recover the cleaning water for subsequent disposal. |
| Disposal | : | Dispose of in accordance with local regulations. |
| Additional advice | : | Material can create slippery conditions. |

6.4 Reference to other sections

no data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- | | | |
|-----------------------------------|---|---|
| Technical measures | : | Does not require any specific or particular measures. |
| Advice on safe handling and usage | : | No specific risk when handled in accordance with good occupational hygiene and safety practice.
Handle in accordance with good industrial hygiene and safety practice. |

7.2 Conditions for safe storage, including any incompatibilities

- | | | |
|--------------------------------|---|---|
| Technical Measures for storage | : | Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. |
|--------------------------------|---|---|

Storage conditions

- | | | |
|-------------|---|--|
| Recommended | : | Keep container tightly closed and dry.
Keep in a well-ventilated place.
Keep away from direct sunlight.
Keep away from incompatible materials to be indicated by the manufacturer |
|-------------|---|--|

Packaging Measures

- | | | |
|-------------------------------------|---|--------------------|
| Packaging materials - Recommended | : | Plastic materials. |
| Packaging materials - To be avoided | : | Uncoated metals |

Storage stability

- | | | |
|---------------------|---|------------|
| Storage temperature | : | 10 - 49 °C |
|---------------------|---|------------|

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

We are not aware of any national exposure limit.

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8.2 Exposure controls

Personal protective equipment

- | | | |
|--------------------------|---|--|
| Respiratory protection | : | Use a respirator with an approved filter if a risk assessment indicates this is necessary. |
| Hand protection | : | Where there is a risk of contact with hands, use appropriate gloves
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Gloves must be inspected prior to use.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. |
| Eye protection | : | Tightly fitting safety goggles
In case of contact through splashing:
Face-shield |
| Skin and body protection | : | Protective suit |
| Hygiene measures | : | Emergency equipment immediately accessible, with instructions for use.
Ensure that eyewash stations and safety showers are close to the workstation location.
Use clean, well-maintained personal protection equipment.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday. |
| Protective measures | : | The protective equipment must be selected in accordance with current CEN standards and in cooperation with the supplier of the protective equipment.
Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the potential hazards and/or risks that may occur during use. |

Environmental exposure controls

- | | | |
|----------------|---|---|
| General advice | : | Prevent product from entering drains.
Contain the spilled material by bunding. |
|----------------|---|---|

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | | |
|-----------------|---|---|
| Appearance | : | Form : viscous
Physical state: liquid
Colour: colourless to yellow. |
| Odour | : | slight pleasant |
| Odour Threshold | : | no data available |
| pH | : | 9.0 - 9.5 (20 %) Aqueous solution |

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Freezing point	: < 0 °C
Boiling point/boiling range	: > 100 °C
Flash point	: Not applicable aqueous liquid for which the organic components have flash point > 100 °C
Evaporation rate (Butylacetate = 1)	: no data available
Flammability (solid, gas)	: no data available
Flammability/Explosive limit	: no data available
Auto-ignition temperature	: no data available
Vapour pressure	: 31.33 hPa (25 °C)
Vapour density	: no data available
Density	: Relative density : 1.17
Solubility	: Water solubility : soluble Solubility in other solvents: Ethanol : soluble
Partition coefficient: n-octanol/water	: log Pow: -1
Thermal decomposition	: no data available
Viscosity	: Viscosity, dynamic : < 5,000 mPa.s (25 °C)
Explosive properties	: no data available
Oxidizing properties	: Not considered as oxidizing, Structure-activity relationship (SAR)

9.2 Other information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

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10.5 Incompatible materials

Materials to avoid : Strong acids
Strong oxidizing agents

10.6 Hazardous decomposition products

Decomposition products : On combustion or on thermal decomposition (following the evaporation of water) releases:
(Carbon oxides (CO + CO₂)).
nitrogen oxides (NO_x).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 : > 5,000 mg/kg - rat
Unpublished reports

Acute inhalation toxicity : no data available

Acute dermal toxicity : LD50 : > 5,000 mg/kg - rat
Information given is based on data obtained from similar substances.
Unpublished internal reports

Acute toxicity (other routes of administration) : no data available

Skin corrosion/irritation

Skin irritation : rabbit
slight irritation
Unpublished reports

Humans
No skin irritation
Method: Repeated Insult Patch Test
Diluted product
Unpublished reports

Serious eye damage/eye irritation

Eye irritation : Irritating to eyes.
Unpublished reports

Respiratory or skin sensitization

Sensitisation : internal evaluation
Not classified as sensitising by skin contact
Unpublished reports

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Mutagenicity

- Genotoxicity in vitro :
- Mutagenicity (Salmonella typhimurium - reverse mutation assay)
with or without metabolic activation
negative
Unpublished internal reports
 - Mutagenicity (Escherichia coli - reverse mutation assay)
with or without metabolic activation
negative
Unpublished internal reports
 - Chromosome aberration test in vitro
with or without metabolic activation
negative
Unpublished internal reports
 - Mouse lymphoma test/TK
with or without metabolic activation
negative
Information given is based on data obtained from similar substances.
Unpublished internal reports
- Genotoxicity in vivo : no data available

Carcinogenicity

- Carcinogenicity : no data available

Toxicity for reproduction and development

- Toxicity to reproduction/Fertility : no data available
- Developmental Toxicity/ Teratogenicity : no data available

STOT

- STOT - single exposure :
- Toxicology Assessment:
The substance or mixture is not classified as specific target organ toxicant, single exposure.
Remarks: internal evaluation, Unpublished reports
- STOT - repeated exposure :
- Toxicology Assessment:
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Remarks: internal evaluation, Unpublished reports
 - Oral - rat
NOAEL: 92.5 mg/kg bw/day
Repeated dose (28 days) toxicity (oral)
Gavage
Not considered to cause serious damage to health on repeated exposure
Information given is based on data obtained from similar substances.
Test results are based on the dry product.
Unpublished reports

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Aspiration toxicity

Aspiration toxicity : no data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic Compartment (including sediment)

Acute toxicity to fish : LC50 - 96 h : 1.6 mg/l
Method: OECD Test Guideline 203
Test results are based on the dry product.
Published data

Acute toxicity to daphnia and other aquatic invertebrates. : EC50 - 48 h : 89 mg/l
Method: OECD Test Guideline 202
Test results are based on the dry product.
Published data

Toxicity to aquatic plants : EC50 - 72 h : 14.8 mg/l
Method: OECD Test Guideline 201
Test results are based on the dry product.
Published data

Toxicity to microorganisms : EC50 - 3 h : > 1,000 mg/l
Method: OECD Test Guideline 209
Test results are based on the dry product.
Published data

Ecotoxicity assessment

Acute aquatic toxicity : Toxic to aquatic life.

12.2 Persistence and degradability

Biodegradability

Biodegradability : Readily biodegradable.
79.8 % - 14 d
Method: Directive 67/548/EEC Annex V, C.4.C.
Test results are based on the dry product.
Unpublished reports

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water : Not bioaccumulable.
Test results are based on the dry product.
Unpublished reports

12.4 Mobility in soil

Known distribution to environmental compartments : Ultimate destination of the product : Water
Test results are based on the dry product.

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12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating and toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6 Other adverse effects

Environment assessment : Toxic to aquatic life.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product Disposal

Prohibition : Do not let product enter drains.

Advice on Disposal : Dispose of as hazardous waste in compliance with local and national regulations.

Advice on cleaning and disposal of packaging

Measures for waste avoidance. : Do not dispose of the product at a rubbish tip.

Advice : Completely empty the packaging prior to decontamination.
Carefully drain and then steam clean.
Offer rinsed packaging material to local recycling facilities.
Dispose of contents/ container to an approved waste disposal plant.

SECTION 14: Transport information

CN_DG

Not Regulated

ADR

Not Regulated

RID

Not Regulated

IMDG

Not Regulated

IATA

Not Regulated

SECTION 15: Regulatory information

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

Following last version of regulations are applicable for the chemical classification, SDS and label:

- General Rule for classification and hazard communication of chemicals, GB 13690
- Series standards of Safety rules for classification, precautionary labeling and precautionary statements of chemicals (GB 20576~GB 20602)
- General rules for preparation of precautionary label for chemicals, GB 15258

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-Safety data sheet for chemical products—Content and order of sections, GB/T 16483

Notification status

These data are not exhaustive but given for information. Contact your supplier for additional information

United States TSCA Inventory	: Listed
Canadian Domestic Substances List (DSL)	: Listed
European Inventory of Existing Commercial Chemical Substances (EINECS)	: Listed
Australia Inventory of Chemical Substances (AICS)	: Listed
Japan. ISHL - Inventory of Chemical Substances	: Listed
Korea. Korean Existing Chemicals Inventory (KECI)	: Listed
China. Inventory of Existing Chemical Substances in China (IECSC)	: Listed
New Zealand. Inventory of Chemical Substances	: Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	: Listed

SECTION 16: Other information

Full text of H-Statements

H303	May be harmful if swallowed.
H313	May be harmful in contact with skin.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H401	Toxic to aquatic life.

Full text of P-Statements referred to under section 2.

P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P501	Dispose of contents/ container to an approved waste disposal plant.

Further information

Further information	: Mixture in CLP Format
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in an other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.