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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name	COSMACOL/ESI
INCI	TRIDECYL SALICYLATE
Substance name (REACH / CLP)	Tridecyl salicylate

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

Use	raw material for cosmetic agents
Uses advised against	

1.3 Details of the supplier of the safety data sheet

Company	Sasol Italy S.p.A. Viale Forlanini, 23 20134 Milano Italy Telephone: +39 02 58453-1 Telefax: +39 02 58453-205
Information (Product safety):	Telephone: +39 02 58453-1 Telefax: +39 02 58453-315
E-mail address	msds-info.italy@it.sasol.com

1.4 Emergency telephone number

Emergency telephone number	+39 0931 988-290
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SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

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

2.2 Label elements

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

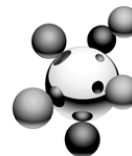
Remarks on classification and labelling	The UVCB substance with its components, was assessed for human health and environmental behavior and then classified accordingly.
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2.3 Other hazards

No hazards to be specially mentioned.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a substance in the meaning of regulation (EC) 1907/2006.

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CHEMICAL CHARACTERIZATION**Tridecyl salicylate**

content: >= 90 %

component type: Active ingredient

EC-No.: 243-214-1

Index-No.:

CAS-No.: 19666-16-1

REACH No.: not available (quantity threshold for registration not reached)

Substance name (REACH / CLP): Tridecyl salicylate

COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES

No dangerous ingredients according to Regulation (EC) No. 1907/2006

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General advice	No hazards which require special first aid measures.
If inhaled	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
In case of skin contact	Wash off with soap and water.
In case of eye contact	Rinse with plenty of water.
If swallowed	Consult a physician if necessary. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed	Symptoms: No information available. Risks: No information available.
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4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed	Treatment: No information available.
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SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

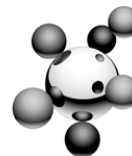
Suitable extinguishing media	Water, Foam, Dry powder, Carbon dioxide (CO2)
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5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	Dangerous gases or fumes may occur in case of fire.
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5.3 Advice for firefighters

Special protective equipment for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
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Further information

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures****Personal precautions**

Handle in accordance with good industrial hygiene and safety practice.

Special precautions

Forms slippery/greasy layers with water.

6.2 Environmental precautions**Environmental precautions**

Avoid subsoil penetration.
Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up**Methods for cleaning up**

Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling****Advice on safe handling**

No special technical protective measures required.

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage areas and containers**

No special storage conditions required.

Storage class (TRGS 510)

10: Combustible liquids not in Storage Class 3

Other data

Protect from frost, heat and sunlight.

7.3 Specific end use(s)**Specific use(s)**

This information is not available.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

National occupational exposure limits

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

8.2 Exposure controls

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection

No personal respiratory protective equipment normally required. In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141.

Hand protection

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. 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. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

gloves suitable for permanent contact:

Material: butyl-rubber
Break through time: \geq 480 min
Layer thickness: \geq 0,7 mm

gloves suitable for splash protection:

Material: Nitrile rubber/nitrile latex
Break through time: \geq 30 min
Layer thickness: \geq 0,4 mm

Eye protection

Safety glasses

Skin and body protection

Protective suit

Hygiene measures

General industrial hygiene practice.

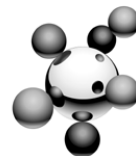
Protective measures

No special protective equipment required.

ENVIRONMENTAL EXPOSURE CONTROLS

General advice

Avoid subsoil penetration.

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Do not flush into surface water or sanitary sewer system.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

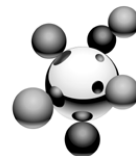
9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Colour	colourless
Odour	characteristic
Odour Threshold	No data available
pH	Not applicable, Justification:, insoluble
Melting point/range	< -50 °C; 1.013 hPa
Flash point	ca. 136 °C; 1.013 hPa
Evaporation rate	No data available
Flammability (solid, gas)	not applicable (liquid)
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Relative vapour density	No data available
Density	ca.0,955 g/cm ³ ; 20 °C; 1.013 hPa
Relative density	No data available
Bulk density	No data available
Solubility in other solvents	Medium: Alcohol; 20 °C; soluble
Water solubility	20 °C; 1.013 hPa; negligible
Partition coefficient: n-octanol/water	log Pow: > 3; 20 °C
Ignition temperature	No data available
Auto-ignition temperature	not auto-flammable
Viscosity, dynamic	ca. 23,58 mPas; 20 °C
Explosive properties	Not explosive
Oxidizing properties	The substance or mixture is not classified as oxidizing.

9.2 Other data

None known.

SECTION 10: STABILITY AND REACTIVITY

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10.1 Reactivity

Note Stable at normal ambient temperature and pressure.
No decomposition if stored and applied as directed.

10.2 Chemical stability

Note No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions None known.

10.4 Conditions to avoid

Conditions to avoid Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation.

10.5 Incompatible materials to avoid

Materials to avoid None known.;

10.6 Hazardous decomposition products

Hazardous decomposition products No decomposition if stored normally.

Thermal decomposition No decomposition if used as directed.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

Acute oral toxicity Tridecyl salicylate:
No data available

Acute inhalation toxicity Tridecyl salicylate:
No data available

Acute dermal toxicity Tridecyl salicylate:
LD50 Rat: > 2.000 mg/kg;
Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Human experience -Skin contact Tridecyl salicylate:
not irritating
Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation

Eye irritation Tridecyl salicylate:
Rabbit: slightly irritating
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Sensitisation Tridecyl salicylate:
No data available

Germ cell mutagenicity

Genotoxicity in vitro Tridecyl salicylate:
Ames test; Salmonella typhimurium; with and without metabolic activation: not

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Genotoxicity in vivo	mutagenic Tridecyl salicylate: No data available
Carcinogenicity	
Carcinogenicity	Tridecyl salicylate: This information is not available.
Reproductive toxicity	
Reproductive toxicity	Tridecyl salicylate: No data available
Teratogenicity	Tridecyl salicylate: This information is not available.
STOT - single exposure	
Remarks	Tridecyl salicylate: The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure	
Remarks	Tridecyl salicylate: This information is not available.
Repeated dose toxicity	Tridecyl salicylate: No data available
Aspiration hazard	
Aspiration toxicity	Tridecyl salicylate: Not applicable

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish	Tridecyl salicylate: No data available
Toxicity to fish - Chronic toxicity	Tridecyl salicylate: No data available
Toxicity to daphnia and other aquatic invertebrates	Tridecyl salicylate: No data available
Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity	Tridecyl salicylate: No data available
Toxicity to aquatic plants	Tridecyl salicylate: (72 h) Pseudokirchneriella subcapitata (green algae) ; static test; OECD Test Guideline 201; In the range of water solubility not toxic under test conditions.
Toxicity to bacteria	Tridecyl salicylate: The study is not necessary. Justification: Readily biodegradable

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Toxicity to soil dwelling organisms	Tridecyl salicylate: The study is not necessary. Justification: Readily biodegradable
Toxicity to terrestrial flora	Tridecyl salicylate: The study is not necessary. Justification: Readily biodegradable
Toxicity for other terrestrial non-mammalian fauna	Tridecyl salicylate: The study is not necessary. Justification: Readily biodegradable Accumulation in terrestrial organisms is unlikely.
12.2 Persistence and degradability	
Biodegradability	Tridecyl salicylate: Readily biodegradable; > 60 %; 28 d; aerobic; OECD Test Guideline 301B
12.3 Bioaccumulative potential	
Bioaccumulation	Tridecyl salicylate: Bioconcentration factor (BCF): 622,4; calculated Does not significantly accumulate in organisms.
12.4 Mobility in soil	
Mobility	Tridecyl salicylate: Adsorption/Soil; log Koc: 5,728; calculated immobile strong adsorption to soil The substance and its relevant degradation products decompose rapidly.
12.5 Results of PBT and vPvB assessment	
Results of PBT assessment	Tridecyl salicylate: Based on available data, the classification criteria are not met.
12.6 Other adverse effects	
General advice	Tridecyl salicylate: None known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product	Can be incinerated, when in compliance with local regulations.
Contaminated packaging	Empty remaining contents.
waste code of the European Union: EWC	A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number**

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ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.2 Proper shipping name

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.3 Transport hazard class

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.4 Packing group

ADR	Not dangerous goods
RID	Not dangerous goods
ADN	Not dangerous goods
IMDG	Not dangerous goods
ICAO/IATA	Not dangerous goods

14.5 Environmental hazards

ADR	Environmentally hazardous	no
RID	Environmentally hazardous	no
ADN	Environmentally hazardous	no
IMDG	Marine pollutant	no
ICAO/IATA	Environmentally hazardous	no

14.6 Special precautions for user

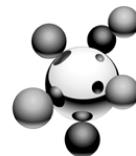
Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks No information available.

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****NATIONAL/OTHER REGULATIONS**

Legislation on the control of major-accident hazards involving dangerous	Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
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substances list entry in the directive: Not applicable

NOTIFICATION STATUS

China. Inventory of Existing Chemical Substances	INV (CN)	y (positive listing)
Switzerland. Consolidated Inventory	CH INV	listed (product or constituents are listed)
Japan. Kashin-Hou Law List	ENCS (JP)	y (positive listing)
US. Toxic Substances Control Act	TSCA	not listed (product or constituents are not listed)
EU. EINECS	EINECS	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	not listed (product or constituents are not listed)
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	y (positive listing)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	NZIOC	y (positive listing)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	not listed (product or constituents are not listed)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	not listed (product or constituents are not listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

Tridecyl salicylate

A Chemical Safety Assessment is not required for this substance (quantity threshold for registration not reached).

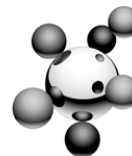
SECTION 16: OTHER INFORMATION

Safety datasheet sections which have been updated:

1. Identification of the substance/mixture and of the company/undertaking
3. Composition/information on ingredients
15. Regulatory information

Further information:

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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or



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quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Key or legend to abbreviations and acronyms used in the safety data sheet

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
BCF	Bioconcentration factor
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
DSL	Domestic Substances List
EC...	Effect concentration ... %
ENCs	Existing Notified Chemical Substances (Japan)
EWC	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organization for Standardization
IUAPC	International Union of Pure and Applied Chemistry
KECI	Korea Existing Chemicals Inventory
LC...	Lethal Concentration, ...%
LD...	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NDSL	Non-Domestic Substances List
NOAEL	no observable adverse effect level
NOEL/NOEC	No Observed-effect level/concentration
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
TG	Test Guideline
TRGS	Technische Regeln für Gefahrstoffe
TSCA	Toxic Substances Control Act
vPvB	very persistent, very bioaccumulative
WGK	Wassergefährdungsklasse