1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade name : IGEPAL CA 630

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

Uses of the Substance/Mixture : Specific use(s): Surfactants for various applications

Details of the supplier of the safety data sheet

Company : RHODIA Opérations
40 Rue de la Haie Coq
93306 Aubervilliers Cedex - France
Tel : +33 (0)1.53.56.50.00

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)

E-mail address : information.fds@eu.rhodia.com

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity, Oral, Category 4	H302: Harmful if swallowed.
Acute toxicity, Dermal, Category 5	H313: May be harmful in contact with skin.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Acute aquatic toxicity, Category 2	H401: Toxic to aquatic life.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

Label elements

Hazardous products which must be listed on the label:

- 68987-90-6 branched octylphenol, ethoxylated

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

Pictogram :

Signal word : Danger

Hazard statements :

H302	Harmful if swallowed.
H313	May be harmful in contact with skin.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements :

General:
None.

Prevention:

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.

Response:

P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P330	Rinse mouth.
P391	Collect spillage.

Storage:
None.

Disposal:

P501	Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification
Does NOT present any particular fire hazard. On combustion, toxic gases are released. Hazardous reactions may occur on contact with certain chemicals. (Refer to the list of incompatible materials section 10: "Stability-Reactivity").

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical nature : Octylphenoxy(polyethyleneoxy)ethanol

CAS-No. : 68987-90-6

Information on Components and Impurities

Chemical Name	CAS-No.	Identification number	GHS Classification	Concentration [%]
branched octylphenol, ethoxylated	68987-90-6		H302 : Acute toxicity, Oral, Category 4 H313 : Acute toxicity, Dermal, Category 5 H318 : Serious eye damage, Category 1 H401 : Acute aquatic toxicity, Category 2 H411 : Chronic aquatic toxicity, Category 2	>= 99 - <= 100

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

4. FIRST AID MEASURES

Description of necessary 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.

Inhalation : not applicable

Skin contact : Take off contaminated clothing and shoes immediately.
Wash off with plenty of water.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get immediate medical advice/ attention.

Ingestion : Do NOT induce vomiting.
Do not give anything to drink.
Consult a physician if necessary.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO_2)

Unsuitable extinguishing media : High volume water jet

Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Combustible. However, does not present any particular risk in the event of a fire. On combustion, toxic gases are released.

Advice for firefighters

Special protective equipment for firefighters	:	Wear self contained breathing apparatus for fire fighting if necessary. Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid contact with the skin and the eyes. Do not allow uncontrolled discharge of product into the environment. Personal protective equipment Wear suitable protective equipment. Safety glasses Face-shield Wear suitable gloves. Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.
Environmental precautions	:	Dam up. Prevent product from entering drains.
Methods for Cleaning or Taking Up		
Recovery	:	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Pick up and transfer to 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.

7. HANDLING AND STORAGE

Handling

Technical measures	:	Does not require any specific or particular measures.
Advice on safe handling and usage	:	Handle in accordance with good industrial hygiene and safety practice.

Storage

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	:	Stable under normal conditions. Keep in a well-ventilated place. Keep in a dry, cool place. Keep away from incompatible materials to be indicated by the manufacturer
Incompatible products	:	Strong oxidizing agents Strong reducing agents.
Packaging Measures		
Packaging conditions	:	Keep only in the original container.
Packaging materials - Recommended	:	Plastic materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

We are not aware of any national exposure limit.

Control measures

Engineering measures	:	Avoid splashes. Provide adequate ventilation.

Personal protective equipment

Respiratory protection	:	Use a respirator with an approved filter if a risk assessment indicates this is necessary.
Hand protection	:	Glove material: Neoprene gloves 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. 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. Gloves must be inspected prior to use.
Eye protection	:	Safety glasses In case of contact through splashing: Wear face-shield and protective suit.

Skin and body protection	:	Protective suit Choose body protection according to the amount and concentration of the dangerous substance at the work place.
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.
General advice	:	Dam up. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	:	viscous
Physical state	:	liquid
Colour	:	colourless to pale yellow.
Odour	:	characteristic
Odour Threshold	:	no data available

Safety data

pH	:	6.0 - 8.0 (10 % (m/v)) Aqueous solution
Freezing point	:	4 °C
Boiling point/boiling range	:	> 200 °C
Flash point	:	> 93 °C closed cup
Flammability (solid, gas)	:	no data available
Autoignition temperature	:	no data available
Oxidizing properties	:	Not considered as oxidizing, Structure-activity relationship (SAR)
Water solubility	:	soluble

Solubility in other solvents	:	organic polar solvents soluble
Partition coefficient: n-octanol/water	:	Not applicable Surface-Active
Vapour pressure	:	no data available
Evaporation rate	:	no data available
Relative vapour density	:	no data available
Density	:	1.06 kg/dm3 (25 °C)
Oxidation/Reduction Potential	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Explosive properties	:	no data available
Thermal decomposition	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available

10. STABILITY AND REACTIVITY

Chemical stability	:	Stable under normal conditions.
Hazardous reactions		
Materials to avoid	:	Strong oxidizing agents Strong reducing agents.
Decomposition products	:	On combustion or on thermal decomposition (pyrolysis) releases: (Carbon oxides (CO + CO2)).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Acute oral toxicity	:	Harmful if swallowed. Unpublished reports CESIO

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

Skin corrosion/irritation

Skin irritation	:	No skin irritation By analogy Unpublished reports CESIO

Serious eye damage/eye irritation

Eye irritation	:	Severe eye irritation By analogy Unpublished reports CESIO

Respiratory or skin sensitization

Sensitisation	:	Repeated Insult Patch Test - Humans no cutaneous sensitisation reaction observed Information given is based on data obtained from similar substances. Unpublished reports

Repeated dose toxicity

Repeated dose toxicity	:	no data available

STOT

STOT - single exposure	:	no data available
STOT - repeated exposure	:	no data available

Carcinogenicity

Carcinogenicity	:	no data available

Mutagenicity

Genotoxicity in vitro	:	Strain: Mammalian cells Product is considered to be genotoxic Published data

Genotoxicity in vivo : no data available

Reproductive toxicity

Reproductive toxicity : no data available

Developmental Toxicity / Teratogenicity : rat
Oral exposure
NOEL teratogenicity: 70 mg/kg
NOEL maternal: 1,600 mg/kg

Effects on development were observed
The significance of these findings for humans is not certain.
Published data

rat
Dermal exposure
NOEL teratogenicity: 70 mg/kg
NOEL maternal: 1,600 mg/kg

Effects on development were observed
The significance of these findings for humans is not certain.
Published data

mouse
No effect observed on development
Published data

12. ECOLOGICAL INFORMATION

Ecotoxicity assessment

Ecotoxicity assessment : No information available.
By analogy
Toxic to aquatic organisms.
Published data

Persistence and degradability

Biodegradability

Biodegradability : Ultimate aerobic biodegradability
Not readily biodegradable.
By analogy
Unpublished internal reports

Bioaccumulation

Partition coefficient: n-octanol/water : Not applicable Surface-Active

Mobility

Known distribution to environmental compartments	:	Ultimate destination of the product : Water

Other adverse effects

Environment assessment	:	DANGEROUS FOR THE ENVIRONMENT (N) Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Product Disposal

Prohibition	:	Avoid release to the environment.
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.
Reason for waste disposal	:	Recycle following cleaning. Dispose of contents/ container to an approved waste disposal plant.
Other data	:	In accordance with RID/ADR regulations containers or tankers, which have not been cleaned or deodorized and which previously contained a hazardous product, must either be labelled or have hazard signs. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR

UN number	:	3082
Dangerous Good Description	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OCTYL PHENOL ETHOXYLATED), 9, III, (E)
Labels	:	9
Packing group	:	III
Tunnel restriction code	:	(E)
Class	:	9
Classification Code	:	M6
Environmentally hazardous mark	:	YES
Hazard identification No	:	90

RID

UN number	:	3082
Dangerous Good Description	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OCTYL PHENOL ETHOXYLATED), 9, III
Labels	:	9
Packing group	:	III
Class	:	9
Classification Code	:	M6
Environmentally hazardous mark	:	YES
Hazard identification No	:	90

IMDG

UN number	:	3082
Dangerous Good Description	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OCTYL PHENOL ETHOXYLATED), 9, III, IMDG Code Segregation Group - Not Relevant
Labels	:	9
Packing group	:	III
Class	:	9
Marine pollutant (environmentally hazardous mark)	:	YES
EmS	:	F-A , S-F

IATA

UN number	:	3082
Dangerous Good Description	:	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OCTYL PHENOL ETHOXYLATED), 9, III
Labels	:	9
Packing group	:	III
Class	:	9
Environmentally hazardous mark	:	YES
Packing instruction (cargo aircraft)	:	964
Max net qty/pkg	:	450.00 L
Packing instruction (passenger aircraft)	:	964
Max net qty/pkg	:	450.00 L

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H302	Harmful if swallowed.
H313	May be harmful in contact with skin.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Full text of P-Statements referred to under sections 2 and 3.

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P330	Rinse mouth.
P391	Collect spillage.
P501	Dispose of contents/ container to an approved waste disposal plant.

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.