SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : LIQUIDE RINCAGE 20

Product code : 800030

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

HYGIENE WASHING MACHINE

1.3. Details of the supplier of the safety data sheet

IPC
10 Quai Malbert, 29200, BREST, FRANCE.
Tel. : +33 (0)2 98 43 45 44. Fax : +33 (0)2 98 44 22 53.
ipc@groupe-ipc.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA http://www.centres-antipoison.net.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Detergent mixture (see section 15).

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH210 Safety data sheet available on request.

2.3. Other hazards

The mixture does not contain substances classified as ‘Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: 0061 CAS: 68439-51-0 EC: POLYMER LAURYL MYRISTYL POLYGLYCOL ETHER WITH EO AND PO	Aquatic Chronic 3, H412		2.5 <= x % < 10
INDEX: 0060 CAS: 68439-51-0 EC: POLYMER FATTY ALCOHOL, ETHOXYLATED AND PROPOXYLATED	Aquatic Chronic 3, H412		2.5 <= x % < 10

INDEX: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25-XXXX PROPAN-2-OL	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	2.5 <= x % < 10
INDEX: 0009 CAS: 15763-76-5 EC: 239-854-6 REACH: 01-2119489411-37-XXXX SODIUM CUMENESULPHONATE	GHS07 Wng Eye Irrit. 2, H319		0 <= x % < 2.5
INDEX: 0004 CAS: 5949-29-1 EC: 201-069-1 REACH: 01-2119457026-42-XXXX CITRIC ACID	GHS07 Wng Eye Irrit. 2, H319		0 <= x % < 2.5

(Full text of H-phrases: see section 16)

Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

Remove the victim away from the product. Provide fresh air. Consult a doctor in case the symptoms persist.

In the event of splashes or contact with eyes :

Rince abundantly with clear water, eyelids opened

If it appears a redness or visual discomfort, consult an ophthalmologist.

In the event of splashes or contact with skin :

Rinse abundantly with clear water.

Generally, the product is not sensitive for the skin.

If an irritation appears or if the contamination is spread or prolonged, to consult a doctor.

In the event of swallowing :

Seek medical attention, showing the label.

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

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

No action shall be taken involving any personal risk or without suitable training. Evacuate the area.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

Clean preferably with water. Avoid the use of solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Store in original packaging, tightly closed, protected from light, heat and cold.

Packaging

Always keep in packaging made of an identical material to the original.

Recommended types of packaging :

- Vats
- Bottles

Suitable packaging materials :

- Plastic

Unsuitable packaging materials :

- Textile
- Paper bag

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	200 ppm	400 ppm		A4; BEI	

- Germany - AGW (BAuA - TRGS 900, 08/08/2019) :

CAS	VME :	VME :	Excess	Notes
67-63-0		200 ppm 500 mg/m³		2(II)

- France (INRS - ED984 / 2020-1546) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
67-63-0	-	-	400	980	-	84

- Switzerland (SUVAPRO 2019) :

CAS	VME	VLE	Valeur plafond	Notations
67-63-0	200 ppm 500 mg/m³	400 mg/m³ 1000 fc/m³		

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-63-0	400 ppm 999 mg/m³	500 ppm 1250 mg/m³			

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)

Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 7.6 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 53.6 mg of substance/m3

Final use: **Consumers.**
Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 3.8 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 3.8 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 13.2 mg of substance/m3

PROPAN-2-OL (CAS: 67-63-0)

Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 888 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 500 mg of substance/m3

Final use:	**Consumers.**
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	26 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	319 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	89 mg of substance/m3

Predicted no effect concentration (PNEC):

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)

Environmental compartment:	Fresh water.
PNEC :	0.23 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	2.3 mg/l
Environmental compartment:	Waste water treatment plant.
PNEC :	100 mg/l

PROPAN-2-OL (CAS: 67-63-0)

Environmental compartment:	Soil.
PNEC :	28 mg/kg
Environmental compartment:	Fresh water.
PNEC :	140.9 mg/l
Environmental compartment:	Sea water.
PNEC :	140.9 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	552 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	552 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	2251 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- Natural latex
- PVC (polyvinyl chloride)

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN ISO 374-2

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

Wash contaminated clothing before reuse.

- Respiratory protection

In normal use, a breathing protection is not required.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Fluid liquid.
Color :	clear blue

Important health, safety and environmental information

pH :	2.50 +/- 0.5. Slightly acidic.
Boiling point/boiling range :	Not relevant.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	1.01 g/cm3 +/- 0.01
Water solubility :	Soluble.
Melting point/melting range :	Not relevant.
Self-ignition temperature :	Not relevant.
Decomposition point/decomposition range :	Not relevant.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- frost
- exposure to light
- heat

10.5. Incompatible materials

Keep away from :

- bases

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

11.1.1. Substances

Acute toxicity :

CITRIC ACID (CAS: 5949-29-1)

Oral route : LD50 = 5400 mg/kg
Species : Rat

Dermal route : LD50 > 2000 mg/kg
Species : Rabbit

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)
Oral route : LD50 > 7000 mg/kg
Species : Rat

Dermal route : LD50 > 2000 mg/kg
Species : Rabbit

FATTY ALCOHOL, ETHOXYLATED AND PROPOXYLATED (CAS: 68439-51-0)
Oral route : LD50 > 2000 mg/kg
REACH Method B.1 (Acute Toxicity (Oral))

LAURYL MYRISTYL POLYGLYCOL ETHER WITH EO AND PO (CAS: 68439-51-0)
Oral route : 2000 < LD50 <= 5000 mg/kg
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 5000 mg/kg

Respiratory or skin sensitisation :

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)
Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity :

CITRIC ACID (CAS: 5949-29-1)
No mutagenic effect.

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)
No mutagenic effect.

Mutagenesis (in vivo) : Negative.
OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

Mutagenesis (in vitro) : Negative.
EPA OPPTS 870.5375 (In Vitro Mammalian Chromosome Aberation)

FATTY ALCOHOL, ETHOXYLATED AND PROPOXYLATED (CAS: 68439-51-0)
No mutagenic effect.

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Carcinogenicity :

CITRIC ACID (CAS: 5949-29-1)
Carcinogenicity Test : Negative.
No carcinogenic effect.

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)
Carcinogenicity Test : Negative.
No carcinogenic effect.
OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Reproductive toxicant :

CITRIC ACID (CAS: 5949-29-1)
No toxic effect for reproduction

Specific target organ systemic toxicity - repeated exposure :

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)

Oral route :	C > 400 mg/kg bodyweight/jour Duration of exposure : 90 days OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Dermal route :	C > 700 mg/kg bodyweight/jour Duration of exposure : 90 days OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

11.1.2. Mixture

No toxicological data available for the mixture.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 67-63-0 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

FATTY ALCOHOL, ETHOXYLATED AND PROPOXYLATED (CAS: 68439-51-0)

Algae toxicity :	EC10 mg/l Species : Desmodesmus subspicatus Duration of exposure : 72 h ISO 8692 (Water Quality - Fresh Water Algal Growth Inhibition Test with Scenedesmus subspicatus and Selenastrum capricornutum)

LAURYL MYRISTYL POLYGLYCOL ETHER WITH EO AND PO (CAS: 68439-51-0)

Algae toxicity :	0,1 < ECx <= 1 mg/l Species : Desmodesmus subspicatus Duration of exposure : 72 h

CITRIC ACID (CAS: 5949-29-1)

Fish toxicity :	LC50 > 440 mg/l Duration of exposure : 48 h
Crustacean toxicity :	EC50 = 1535 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 = 425 mg/l Duration of exposure : 72 h Other guideline

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)

Fish toxicity :	LC50 > 1000 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 1000 mg/l Duration of exposure : 48 h
Algae toxicity :	ECr50 > 230 mg/l Duration of exposure : 96 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

CITRIC ACID (CAS: 5949-29-1)

Biodegradability : Rapidly degradable.

SODIUM CUMENESULPHONATE (CAS: 15763-76-5)
Biodegradability : Rapidly degradable.

FATTY ALCOHOL, ETHOXYLATED AND PROPOXYLATED (CAS: 68439-51-0)
Biodegradability : Rapidly degradable.

LAURYL MYRISTYL POLYGLYCOL ETHER WITH EO AND PO (CAS: 68439-51-0)
Biodegradability : Rapidly degradable.

12.2.2. Mixtures

Surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/669 (ATP 11)

- Container information:

No data available.

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.