



CDR S.r.l.
Via degli Artigiani, 6
50020 Ginestra F.na (FI)

MATERIAL SAFETY DATA SHEET
SOAPS TEST KIT

Revision: 02

Date of compilation: 04/07/11

In accordance with EEC Directive 91/155/CEE and 2001/58/CE

1. Identification of the preparation and the Company

1.1 Identification of the preparation

Name of the product: **SOAPS R1**

1.2 Use

Reagent for ionic surfactant's determination in foods

1.3.1 Identification of the Company

CDR S.r.l.
Via degli Artigiani, 6
50055 Ginestra F.na (FI)
Italy
Tel: +39 055-871431
Fax: +39 055-8714322
Emergency phone number:
+39 055-871431

2. Description of hazards

3.1 Substance/Preparation Classification

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: F-Xi

Phrases R:
11-41-67

3.2 Danger Identification

This product may easily catch fire after brief exposure to an ignition source, going on burning even after source removal.

RISK OF SERIOUS DAMAGE TO EYES.

VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

3. Composition/Information on ingredients

Chemical composition:

Name	Concentr.(C)	Classification
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Product: **SOAPS TEST KIT**

PROPAN-1-OL	10 <= C < 80	R67
N° Cas 71-23-8		F R11
N° CE 200-746-9		Xi R41
N° Index 603-003-00-0		

The complete text of -R- phrases is specified in section 16.

4. First-aid measures

4.1 Inhalation

The product is volatile. Nevertheless the small quantities make the inhalation risk rather improbably. If necessary remove to fresh air. If breathing is irregular seek immediately medical advice and give oxygen.

4.2 Skin contact

Wash immediately with plenty of water and soap. Remove contaminated clothing. In case of irritation seek medical attention. Wash contaminated clothing before using them.

4.3 Eyes contact

Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

4.4 Ingestion

Wash mouth with water. Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person. Do not provoke vomiting.

4.5 Other

Change contaminated clothing

5. Fire-fighting measures

5.1 Extinction methods:

Nebulized water, CO₂, foam alcohol-resistant, AFFF, chemical powder.

5.2 Unappropriate extinction methods:

Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

5.3 Special hazards:

The product under fire condition may develop irritant/toxic gas

5.4 Protection methods:

Notwithstanding the small quantities of product if the fire involved other chemicals wear

Product: **SOAPS TEST KIT**

equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist

5.5 Other:

Water used in fire-fighting has to be disposed following Local regulation. Cool containers in order to avoid chemical decomposition.

6. Accidental release measures

6.1 Individual Precautions:

Avoid contact with eyes and skin. Wear suitable protective clothing, gloves, goggles and mask with filter. Move away any unauthorised person. Supply good air circulation.

6.2 Methods of Cleaning:

Absorb the liquid with inert material such as sand or infusorial hearth and remove manually with anti-sparkle tools. Wash with water avoiding drainage into Civil Discharge.

6.3 Environmental Precautions:

Collect the product in suitable container for disposal. Notify authorities if product enters sewer or public waters. Do not let the product dry.

7. Handling and storage

7.1 Handling

Supply good air circulation in working area. Avoid all unnecessary exposure, handle in accordance with good industrial hygiene and safety procedures. Wear protective equipment. Do not smoke, eat or drink during the working processes. Keep far away from sources of heat, naked flames and sparks and other sources of ignition; do not spray in the vicinity of flames or incandescent materials.

7.2 Storage

Keep the packaging properly closed in fresh and ventilated area. Keep far from oxidants protecting from daylight and heat source.

7.3 Particular uses

For particular uses of the product, is necessary to refer to the specific information or contact the technical service of the Company

Product: **SOAPS TEST KIT**

8. Exposure controls/personal protection

8.1 Exposure limits

PROPAN-1-OL			
- TLV TWA	492	mg/m ³	ACGIH
- TLV STEL	614	mg/m ³	ACGIH
ETHANOL			
- TLV TWA	1880	mg/m ³	ACGIH

8.2 Exposure control:

Avoid contact with the eyes and skin wearing suitable protective devices; store the container sealed when not being used.

Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals.

8.2.1 Individual protection

The DPI's choice must be done on the basis of the test's results obtained according to the rule EN 347

Hand protection:	: protective gloves
Eye protection	: Goggles
Skin protection	: suitable protective clothing
Respiratory protection	: Mask with filter.

9. Physical and chemical properties

Colour	Colourless	
Odour	Aromatic	
Physical state	Liquid	
Solubility	Soluble	g/litre at 20°C
Liposolubility	n.av.	
pH	n.av.	
Boiling point	n.av.	°C
Flash point	12	°C
Auto ignition	485	°C
Vapor pressure	43	hPa
Specific gravity	n.av.	g/cm ³
Explosive properties	n.av.	
Comburent properties	none	
Division factor: no ^o - ottanolo/water	n.av.	
Melting point	n.av.	°C
Viscosity	n.av.	cP

10. Stability and reactivity

10.1 condition to avoid

The product is stable in normal conditions of use and storage.

Product: **SOAPS TEST KIT**

10.2 materials to avoid

In contact with strong oxidants exothermal reaction may occur.

10.3 Dangerous decomposition product's

Due to thermal decomposition or in the event of a fire CO_x and vapours may be produced potentially dangerous to health. The vapours may also form explosive mixtures with the air.

11. Toxicological information

Acute effects:

According to the small quantities the product may have slight health effects by cutaneous absorption and/or ingestion.

This product may nevertheless cause serious ocular lesions, cornea opacity, iris lesions, irreversible eye coloration.

and containing highly volatile substances may cause depression of the central nervous system (CNS) and have negative effects such as drowsiness, dizziness, slow reflexes, narcosis.

Corrosive/irritation power:

Eyes: Risk of eyes damage

Skin: Slight irritant

12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

13. Disposal considerations

Operate following the current Local or National Laws.

The non reclaimed containers have to be disposed as the product.

Consider the possibility of burning the product in a suitable incinerator.

14. Transport information

These goods must be packed in their original packings or in packings made of materials resistant to their content and not reacting dangerously with it. This good, being shipped under the provision for limited quantity, is packed and labelled in accordance with ADR Regulation – chapter 3.4- IMDG Code –chapter 3.4- IATA regulation – chapter 5.0.3- (i.e. 0.5 l for inner packaging max. and 1 l for outer packaging max.) and no other provision has to be respected.

Road or railway transport:

UN number:	1987	Class:	3
Classification:	F1	Packing group	II

Transport by sea:

UN number:	1987	Class:	3
Packaging group:	II	EmS:	F-E, S-D
Marine pollutant	no		

Product: **SOAPS TEST KIT**

Transport by air:

Class: 3 Packaging group: II
Shipping name: ALCOHOLS N.O.S. (Contain Propan-1-ol and ethanol)
Vapour pressure at 50°C <110 kPa

Labelling:



15. Regulatory information



IRRITANT



HIGHLY FLAMMABLE

R11 HIGHLY FLAMMABLE.
R41 RISK OF SERIOUS DAMAGE TO EYES.
R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.
S 9 KEEP CONTAINER IN A WELL-VENTILATED PLACE.
S16 KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
S25 AVOID CONTACT WITH EYES.
S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S33 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.
S39 WEAR EYE/FACE PROTECTION.

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

This chemical must undergo to the risk evaluation related to the workers' health and safety according to Directive 98/24/CE.

16. Further information

Text of -R- phrases quoted in section 2 of the sheet.

R11 HIGHLY FLAMMABLE.
R41 RISK OF SERIOUS DAMAGE TO EYES.
R67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);

Product: **SOAPS TEST KIT**

- 8. Patty - Industrial Hygiene and Toxicology;
- 9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

This sheet cancels and substitutes any previous edition.

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Product: **SOAPS TEST KIT**

1. Identification of the preparation and the Company

1.1 Identification of the preparation

Name of the product: **SAPONI R2**

1.2 Use

Reagent for ionic surfactant's determination in foods

1.3.1 Identification of the Company

CDR S.r.l.

Via degli Artigiani, 6

50055 Ginestra F.na (FI)

Italy

Tel: +39 055-871431

Fax: +39 055-8714322

Emergency phone number.

+39 055-871431

2. Description of hazards

3.1 Substance/Preparation Classification

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: F-Xi

Phrases R:

11-36-67

3.2 Danger Identification

This product may easily catch fire after brief exposure to an ignition source, going on burning even after source removal.

IRRITATING TO EYES.

VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

3. Composition/Information on ingredients

Chemical composition:

Name	Concentr.(C)	Classification
PROPAN-2-OL	10 <= C < 80	R67
N° Cas 67-63-0		F R11
N° CE 200-661-7		Xi R36
N° Index 603-117-00-0		

The complete text of -R- phrases is specified in section 16.

Product: **SOAPS TEST KIT**

4. First-aid measures

4.1 Inhalation

The product is volatile. Nevertheless the small quantities make the inhalation risk rather improbably. If necessary remove to fresh air. If breathing is irregular seek immediately medical advice and give oxygen.

4.2 Skin contact

Wash immediately with plenty of water and soap. Remove contaminated clothing. In case of irritation seek medical attention. Wash contaminated clothing before using them.

4.3 Eyes contact

Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

4.4 Ingestion

Wash mouth with water. Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person. Do not provoke vomiting.

4.5 Other

Change contaminated clothing

5. Fire-fighting measures

5.1 Extinction methods:

Nebulized water, CO₂, foam alcohol-resistant, AFFF, chemical powder.

5.2 Unappropriate extinction methods:

Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

5.3 Special hazards:

The product under fire condition may develop irritant/toxic gas

5.4 Protection methods:

Notwithstanding the small quantities of product if the fire involved other chemicals wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist

5.5 Other:

Water used in fire-fighting has to be disposed following Local regulation. Cool containers in

Product: **SOAPS TEST KIT**

order to avoid chemical decomposition.

6. Accidental release measures

6.1 Individual Precautions:

Avoid contact with eyes and skin. Wear suitable protective clothing, gloves, goggles and mask with filter. Move away any unauthorised person. Supply good air circulation.

6.2 Methods of Cleaning:

Absorb the liquid with inert material such as sand or infusorial hearth and remove manually with anti-sparkle tools. Wash with water avoiding drainage into Civil Discharge.

6.3 Environmental Precautions:

Collect the product in suitable container for disposal. Notify authorities if product enters sewer or public waters. Do not let the product dry.

7. Handling and storage

7.1 Handling

Supply good air circulation in working area. Avoid all unnecessary exposure, handle in accordance with good industrial hygiene and safety procedures. Wear protective equipment. Do not smoke, eat or drink during the working processes. Keep far away from sources of heat, naked flames and sparks and other sources of ignition; do not spray in the vicinity of flames or incandescent materials.

7.2 Storage

Keep the packaging properly closed in fresh and ventilated area. Keep far from oxidants protecting from daylight and heat source. Store at temperature between 2-8°C.

7.3 Particular uses

For particular uses of the product, is necessary to refer to the specific information or contact the technical service of the Company

Product: **SOAPS TEST KIT**

8. Exposure controls/personal protection

8.1 Exposure limits

PROPAN-2-OL				
- TLV TWA	983	mg/m ³	ACGIH	
- TLV STEL	1230	mg/m ³	ACGIH	

8.2 Exposure control:

Avoid contact with the eyes and skin wearing suitable protective devices; store the container sealed when not being used.

Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals.

8.2.1 Individual protection

The DPI's choice must be done on the basis of the test's results obtained according to the rule EN 347

Hand protection:	: protective gloves
Eye protection	: Goggles
Skin protection	: suitable protective clothing
Respiratory protection	: Mask with filter.

9. Physical and chemical properties

Colour	Colourless	
Odour	Aromatic	
Physical state	Liquid	
Solubility	Soluble	g/litre at 20°C
Liposolubility	n.av.	
pH	n.av.	
Boiling point	n.av.	°C
Flash point	12	°C
Auto ignition	485	°C
Vapor pressure	43	hPa
Specific gravity	n.av.	g/cm ³
Explosive properties	n.av.	
Comburent properties	none	
Division factor: no ^o - ottanolo/water	n.av.	
Melting point	n.av.	°C
Viscosity	n.av.	cP

10. Stability and reactivity

10.1 condition to avoid

The product is stable in normal conditions of use and storage.

Product: **SOAPS TEST KIT**

10.2 materials to avoid

In contact with strong oxidants exothermal reaction may occur.

10.3 Dangerous decomposition product's

Due to thermal decomposition or in the event of a fire COx and vapours may be produced potentially dangerous to health. The vapours may also form explosive mixtures with the air.

11. Toxicological information

Acute effects:

According to the small quantities the product may have slight health effects by cutaneous absorption and/or ingestion.

This product may nevertheless cause eyes irritation. Symptoms may include: rubescence, edema, pain and lachrymation and containing highly volatile substances may cause depression of the central nervous system (CNS) and have negative effects such as drowsiness, dizziness, slow reflexes, narcosis.

Propan-2-ol

LD50 (oral rat): 5045 mg/Kg

Corrosive/irritation power:

Eyes: Irritant

Skin: Slight irritant

12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Propan-2-ol:

CL50 (pesce): 8300 mg/l (96 ore)

EC50 (Daphnia) 7550 mg/l (48 ore)

13. Disposal considerations

Operate following the current Local or National Laws.

The non reclaimed containers have to be disposed as the product.

Consider the possibility of burning the product in a suitable incinerator.

14. Transport information

These goods must be packed in their original packings or in packings made of materials resistant to their content and not reacting dangerously with it. This good, being shipped under the provision for limited quantity, is packed and labelled in accordance with ADR Regulation – chapter 3.4- IMDG Code –chapter 3.4- IATA regulation – chapter 5.0.3- (i.e. 0.5 l for inner packaging max. and 1 l for outer packaging max.) and no other provision has to be respected.

Road or railway transport:

UN number:	1987	Class:	3
Classification:	F1	Packing group	II

Product: **SOAPS TEST KIT**

2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
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The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.