

**Productname :** Sansil Luborflon ms 20  
**Ref.Nr.:** BDS001332\_3\_20120921

**Creationdate :** 21.09.12 Version : 2.0  
**Replaces:** BDS001332\_20120427

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

### 1.1. Product identifier

**Sansil Luborflon ms 20**  
Bulk

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

Release Agents

### 1.3. Details of the supplier of the safety data sheet

**CRC Industries Europe bvba**  
 Touwslagerstraat 1  
 9240 Zele  
 Belgium  
 Tel.: +32(0)52/45.60.11  
 Fax.: +32(0)52/45.00.34  
 E-mail : hse@crcind.com

Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Laurinkatu 57 A 23 B, 08100 Lohja	+358/(19)32.921	+358/(19)383.676
CRC Industries France	6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex	01.34.11.20.00	01.34.11.09.96
CRC Industries Deutschland GmbH	Südring 9, D-76473 Iffezheim	(07229) 303.0	(07229)30 32 66
CRC INDUSTRIES IBERIA S.L.U.	GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTRI. DE HONTORIA, 40195 SEGOVIA	0034/921.427.546	0034/921.436.270
CRC Industries Sweden	Kryptogatan 14, 431 53 Mölndal	0046/31 706 84 80	0046/31 27 39 91

### 1.4. Emergency telephone number

**CRC Industries Europe, Belgium:** Tel.: +32(0)52/45.60.11 (office hours)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to 67/548/EEC or 1999/45/EC:

**Health:**

R36/38: Irritating to eyes and skin.  
 R40: Limited evidence of a carcinogenic effect.  
 R43: May cause sensitization by skin contact.  
 R67: Vapours may cause drowsiness and dizziness.



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**Physical:** R11: Highly flammable.  
**Environment:** R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
**Other hazards :** Not classified

## 2.2. Label elements

Contains:

tetrachloroethylene

**Warning symbol(s) :**

F : HIGHLY FLAMMABLE



Xn : HARMFUL



N : DANGEROUS FOR THE ENVIRONMENT



**Risk-phrase(s) :**

R11: Highly flammable.  
 R36/38: Irritating to eyes and skin.  
 R40: Limited evidence of a carcinogenic effect.  
 R43: May cause sensitization by skin contact.  
 R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
 R67: Vapours may cause drowsiness and dizziness.

**Safety-phrase(s) :**

S2: Keep out of the reach of children.  
 S7: Keep container tightly closed.  
 S16: Keep away from sources of ignition - No smoking.  
 S23: Do not breathe vapour.  
 S36/37: Wear suitable protective clothing and gloves.  
 S46: If swallowed, seek medical advice immediately and show this container or label.  
 S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

**Special labelling provisions:**

Contains  
 tetrachloroethylene  
 May produce an allergic reaction.

## 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.



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2 / 10

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### 3.2. Mixtures

Hazardous ingredient	CAS-nr.	EC-nr	w/w %	symbol	R-phrases*	Notes
tetrachloroethylene	127-18-4	204-825-9	60-100	Xn,N	38-40-43-51/53-67	B
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	10-30	F,Xi	11-36-67	B
butan-1-ol; n-butanol	71-36-3	200-751-6	1-5	Xn	10-22-37/38-41-67	B

**Explanation notes**  
 B : substance with national established workplace exposure limit

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
tetrachloroethylene		127-18-4	204-825-9	60-100	Carc. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Chronic 2	H351,H315,H317,H336,H411	B
propan-2-ol; isopropyl alcohol ;isopropanol	01-2119457558-25	67-63-0	200-661-7	10-30	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3	H225,H319,H336	B
butan-1-ol; n-butanol	01-2119484630-38	71-36-3	200-751-6	1-5	Flam. Liq. 3, Acute Tox. 4, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, STOT SE 3	H226,H302,H335,H315,H318,H336	B

**Explanation notes**  
 B : substance with national established workplace exposure limit

(\* Explanation phrases : see chapter 16)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Contact with eyes :</b>	If substance has got into eyes, immediately wash out with water for at least 15 minutes Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation persists
<b>Contact with skin :</b>	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water Seek medical attention if irritation persists
<b>Inhalation :</b>	Fresh air, keep warm and at rest. Apply artificial respiration only if patient is not breathing Obtain immediate medical attention
<b>Ingestion :</b>	If swallowed do not induce vomiting Rinse mouth with water (do not swallow) Obtain immediate medical attention

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation :</b>	May cause irritation. Excessive inhalation of solvent vapours may give rise to nausea, headaches and dizziness Symptoms : sore throat, cough, shortness of breath, severe breathing difficulties, headache
<b>Ingestion :</b>	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting



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**Skin contact :** Irritating to skin.  
May cause sensitization by skin contact.  
Symptoms : redness and pain

**Eye contact :** Irritating to eyes  
Symptoms : redness and pain, impaired vision

#### 4.3. Indication of any immediate medical attention and special treatment needed

**General Advice :** If you feel unwell, seek medical advice (show the label where possible)  
If symptoms persist always call a doctor

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

foam, carbon dioxide or dry agent

#### 5.2. Special hazards arising from the substance or mixture

May form explosive vapour/air mixtures  
Risk of explosion if heated under confinement  
In case of fire, do not breathe fumes. HCl and traces of chlorine may be formed when subjected to heat or combustion.

#### 5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water  
Substance evolves toxic fumes, wear self-contained breathing apparatus

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Shut off all ignition sources  
Ensure adequate ventilation  
Wear suitable protective clothing including eye/face protection.  
Wear suitable respiratory protection.

#### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses

#### 6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

#### 6.4. Reference to other sections

For further information see section 8



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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep away from heat and sources of ignition  
 Take precautionary measures against static discharges  
 Equipment should be earthed  
 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
 Use only non-sparking tools.  
 Do not breathe aerosols or vapours.  
 Ensure adequate ventilation  
 Avoid contact with skin and eyes.  
 Wash thoroughly after use  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Eyewash bottles should be available

### 7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed, in a cool, well ventilated place.  
 Keep out of reach of children.

### 7.3. Specific end use(s)

Release Agents

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Exposure limits :

Hazardous ingredient	CAS-nr.	method	
<b>EU established exposure limits:</b>			
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	TWA	400 ppm
		STEL	500 ppm

### 8.2. Exposure controls

**Control procedures :** Ensure adequate ventilation  
 Keep away from heat and sources of ignition  
 Take precautionary measures against static discharges

**Personal protection :** Take precautions to avoid contact with skin and eyes when handling the product.  
 Ensure adequate ventilation

**inhalation :** In case of insufficient ventilation, wear suitable respiratory equipment.  
 Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX)

**hands and skin :** Wear suitable protective gloves against chemicals



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eyes : (polyvinylalcohol)  
Wear safety goggles.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Apperance : physical state :** Liquid.  
**colour :** Off-white.  
**odour :** Characteristic odor.  
**pH :** Not applicable.  
**Boiling point/range :** Not available.  
**Flash point :** 12 °C (Closed Cup)  
**Evaporation rate :** Not available.  
**Explosion limits : upper limit :** Not available.  
**lower limit :** Not available.  
**Vapour pressure :** Not available.  
**Relative density :** 1.225 g/cm<sup>3</sup> (@ 20°C).  
**Solubility in water :** Insoluble in water  
**Auto-ignition :** > 200 °C  
**Viscosity :** Not available.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

In use, may form flammable/explosive vapour-air mixture

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

### 10.4. Conditions to avoid

Avoid overheating  
Risk of explosion if heated under confinement.

### 10.5. Incompatible materials

Strong oxidising agent  
acids  
alkaline earth metals



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**Replaces:** BDS001332\_20120427

## 10.6. Hazardous decomposition products

In case of fire, do not breathe fumes. HCl and traces of chlorine may be formed when subjected to heat or combustion.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Limited evidence of a carcinogenic effect

<b>Inhalation :</b>	May cause irritation. Inhalation of solvent vapours may give rise to nausea, headaches and dizziness
<b>Ingestion :</b>	After vomiting of swallowed product aspiration into lungs is likely. Solvents may induce chemical pneumonia.
<b>Skin contact :</b>	Irritating to skin. May cause sensitization by skin contact. Prolonged skin contact will result in defatting of the skin
<b>Eye contact :</b>	Irritating to eyes

#### Toxicological data :

Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	LD50 oral rat	>2000 mg/kg
		LC50 inhal.rat	>20 mg/l
		LD50 derm.rabit	>2000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	IC50 algae	>100 mg/l
		LC50 fish	>100 mg/l
		EC50 daphnia	>100 mg/l

### 12.2. Persistence and degradability

No experimental data available

### 12.3. Bioaccumulative potential



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No experimental data available

#### 12.4. Mobility in soil

Insoluble in water

#### 12.5. Results of PBT and vPvB assessment

No information available

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Product :** This material and its container must be disposed of in a safe way.  
Do not discharge into drains or the environment, dispose to an authorised waste collection point.

**Contaminated packaging :** Disposal should be in accordance with local, state or national legislation

### SECTION 14: Transport information

#### 14.1. UN number

UN-number : 1992

#### 14.2. UN proper shipping name

Proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S. (isopropanol, tetrachloroethylene)

#### 14.3. Transport hazard class(es)

Class: 3  
Subsidiary risk: 6.1  
ADR/RID - Classification code: FT1

#### 14.4. Packing group

Packing group: II

#### 14.5. Environmental hazards

ADR/RID - Environmentally hazardous: Yes  
IMDG - Marine pollutant: Marine pollutant  
IATA/ICAO - Environmentally hazardous: Yes



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hazardous: .....

#### 14.6. Special precautions for user

ADR/RID - Tunnelcode: (D/E)  
IMDG - Ems: F-E, S-D  
IATA/ICAO - PAX: 305  
IATA/ICAO - CAO: 307

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

### SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.  
EU-directive 99/45/EC  
Regulation (EC) No 1907/2006 (REACH)

#### 15.2. Chemical safety assessment

No information available

### SECTION 16: Other information

\*Explanation risk-phrases: R10: Flammable.  
R11: Highly flammable.  
R22: Harmful if swallowed.  
R36: Irritating to eyes.  
R38: Irritating to skin.  
R40: Limited evidence of a carcinogenic effect.  
R41: Risk of serious damage to eyes.  
R43: May cause sensitization by skin contact.  
R67: Vapours may cause drowsiness and dizziness.  
R37/38: Irritating to respiratory system and skin.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

\*Explanation hazard statements: H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H302 : Harmful if swallowed.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.  
H351 : Suspected of causing cancer .  
H411 : Toxic to aquatic life with long lasting effects.



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REVISIONS IN CHAPTRE : Classification according to 67/548/EEC or 1999/45/EC:  
2.2. Label elements

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.

