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34

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Material Safety Data Sheet

Regulation EC No 1907/2006 Art.31

Productname : SURFACE 95 **Creationdate :** 31.10.07
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1. IDENTIFICATION OF PRODUCT AND COMPANY

Productname : SURFACE 95
Aerosol

Cleaners - Precision

Application :

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2. HAZARD IDENTIFICATION

Health and Safety :

R11: Highly flammable.
R38: Irritating to skin.
R67: Vapours may cause drowsiness and dizziness.

Environment :

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

Other hazards :

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.

Remark: The classification for aspiration hazards (R65), does not apply for products placed on the market in aerosol containers.

(EU-Directive 67/548 Annex VI 9.4)

3. COMPOSITION AND INFORMATION ON COMPONENTS

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	203-539-1	10-30		10	A
carbon dioxide	124-38-9	204-696-9	1-5	-	-	A,G

Hazardous ingredient	CAS-nr	EINECS	w/w %	symbol	R-phrases*	Notes
Distillates (petroleum), hydrotreated light; Kerosine - unspecified	64742-47-8	265-149-8	10-30	Xn	65-66	B
Naphtha (petroleum), hydrotreated light (benzene<0.1%)	64742-49-0	265-151-9	30-60	F,Xn,N	11-38-51/53-65-67	B,P
propan-2-ol; isopropyl alcohol ;isopropanol	67-63-0	200-661-7	<20	F,Xi	11-36-67	
Explanation notes						
A : substance with Community workplace exposure limit						
B : substance with national established workplace exposure limit						
G : exempted from the obligation to register in accordance with art.2(7)(a)of REACH Regulation No 1907/2006						
P : not classified as carcinogen, less than 0.1% w/w benzene (Einecs-nr. 200-753-7)						

Note H and P of Annex I (67/548/EEC) apply for the naphtha's in this product.
(* Explanation risk-phrases : see chapter 16)

4. FIRST AID MEASURES

General Advice :

The usual precautions for handling chemicals should be observed
If any symptoms should occur, seek medical advice.

Contact with eyes :

If substance has got into eyes, immediately wash out with water for at least 15 minutes
Seek medical advice

Contact with skin :

Remove contaminated clothing immediately and drench affected skin with plenty of water.
Then wash with soap and water
Seek medical advice

Inhalation :

Fresh air, keep warm and at rest.
Seek medical attention if ill effects occur

Ingestion :

Ingestion is unlikely to occur
If swallowed do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention

5. FIRE-FIGHTING MEASURES

Flash point (without propellant):

< 0 °C (Closed Cup)

Explosion limits : upper limit :

not available

lower limit :

not available

Extinguishing media :

foam, carbon dioxide or dry agent

Fire-fighting procedures :

Keep container(s) exposed to fire cool, by spraying with water

Unusual exposure hazard :

Aerosols may explode if heated above

50°C

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :

Shut off all ignition sources
Ensure adequate ventilation
Wear suitable protective clothing and gloves.

Environmental precautions :

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

Cleaning methods :

Absorb spillage in suitable inert material

7. HANDLING AND STORAGE

Handling procedures : Use only in well ventilated areas
 Keep away from heat and sources of ignition
 Do not spray on a naked flame or incandescent material.
 Do not pierce or burn aerosols, even after use.
 Do not breathe aerosols or vapours.
 Avoid contact with skin and eyes.

Storage procedures : Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50°C.
 Keep in a cool, dry, well ventilated place
 Keep out of reach of children.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

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

Personal protection : Use only in well ventilated areas
 It is advisable to take precautions to avoid contact with skin and eyes when handling the product.

inhalation : In case of insufficient ventilation, wear suitable respiratory equipment.
 (Filter type AX)

hands and skin : Wear suitable protective gloves
 (nitrile)

eyes : Wear safety goggles.

Exposure limits :

Hazardous ingredient	CAS-nr	method	
EU established exposure limits:			
1-methoxy-2-propanol; monopropylene glycol methyl ether	107-98-2	TWA	100 ppm
		STEL	150 ppm
carbon dioxide	124-38-9	TWA	5000 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES (for aerosols without propellant)

CO₂ propelled liquid

Apperance : physical state :

colour : colourless

odour : Characteristic odour

Melting point/range : <-20 °C

Boiling point/range : not available

Relative density : 0.73 g/cm³ (@ 20°C)

pH : not applicable

Vapour pressure : not available

Relative vapour density : not available

Solubility in water : Insoluble in water

Flash point : < 0 °C (Closed Cup)

Auto-ignition : >200 °C

Viscosity : not available

Viscosity : not available

Evaporation rate : not available

10. STABILITY AND REACTIVITY

Conditions to be avoided : Pressurized container : protect from sunlight
and do not expose to temperatures
exceeding 50°C.

Materials to be avoided : Strong oxidising agent

Hazardous decomposition compounds : CO,CO2

11. TOXICOLOGICAL INFORMATION

Inhalation : Excessive inhalation of solvent vapours may
give rise to nausea, headaches and dizziness

Ingestion : Ingestion is unlikely to occur
After vomiting of swallowed product aspiration
into lungs is likely. Solvents may induce
chemical pneumonia.

Skin contact : Irritating to skin

12. ECOLOGICAL INFORMATION

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

Do not allow to enter public sewers and
watercourses

13. WASTE DISPOSAL

Product : Do not empty into drains.
This material and its container must be disposed of in a safe way.

Disposal should be in accordance with local, state or national legislation

14. TRANSPORT

UN-number : 1950

Road/Rail - ADR/RID : UN1950 Aerosols Class : 2, PG : NA, Class code : 5F, Label : 2.1

Sea - IMDG : UN1950 Aerosols Ltd Qty Class : 2.1, PG : NA, Label : 2.1

EmS F-D,S-U

Air - IATA/ICAO : UN1950 Aerosols, flammable Class : 2.1, PG : NA, Label : RFG

Packing instr. Y203
LQ

PAX 203

CAO 203

15. REGULATORY INFORMATION

Warning symbol(s) : F,Xi,N

Risk-phrase(s) :

R11: Highly flammable.
R38: Irritating to skin.
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.
S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe spray.
S35: This material and its container must be disposed of in a safe way.
S51: Use only in well-ventilated areas.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Without adequate ventilation formation of explosive mixtures may be possible.

Regulation (EC) No 648/2004 on detergents:

aliphatic hydrocarbons > 30 %
perfumes. citral, limonene

16. OTHER INFORMATION

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.

***Explanation risk-phrases:**

R10: Flammable.
R11: Highly flammable.
R36: Irritating to eyes.
R38: Irritating to skin.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

This Material Safety Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Material Safety Data Sheet will be sent to you upon simple request or can be found on our website : www.crcind.com. We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.