



SAFETY DATA SHEET

according 2001/58/EG.

PAGE: 1 of 4

REVISION DATE: 21/11/2005

PRINT DATE: 29/11/2005

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

Product name:

Cimclean PC 410

Emergency telephone number

+ 32 (0)14 58 45 45 (Big, Belgium)

Generic name:

Water miscible cleaner.

COMPANY:

Cimcool Industrial Products B.V.
Schiedamsedijk 20, 3134 KK Vlaardingen
The Netherlands
tel.: (0)10-4600660 fax. (0)10-4603240
Web: www.cimcool.net

2. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Hazardous components:	EEC-No	CAS-No	Class	Weight%
nonionic emulsifiers	500-242-1	69227-21-0	N R50	1 - 5
anionic emulsifiers	215-090-9	1300-72-7	Xi R36	1 - 5

Chemical characterization:

organic and inorganic corrosion inhibitors, anionic and nonionic emulsifiers, water.

3. HAZARDS IDENTIFICATION

This product is not a hazardous article and need not to be labelled according to EC-Directives 67/548, 1999/45/EG, as amended.

Most important hazards:

Health injuries are not known or expected under normal use.
Do not allow material to contaminate ground water system.

Specific hazards:

Spilled product may result in slippery floors.

4. FIRST AID MEASURES

Inhalation:

Move to fresh air.
Not expected to be a probable route of exposure to product concentrate.

Ingestion:

If concentrate or mix is swallowed, do not induce vomiting. Dilute by drinking water or milk. Contact physician and obtain treatment.
Swallowing small quantities of diluted product is not expected to cause injury or illness but, as should be expected when drinking oily, soapy water, nausea, diarrhoea or abdominal distress may be experienced.

Skin contact:

In case of skin contact with product concentrate, wash with water as soon as possible.
Diluted product is not irritating to the skin when used as recommended and good personal hygiene is practised.
Remove severely contaminated clothing, including shoes. Launder before re-use.

Eye contact:

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.



SAFETY DATA SHEET

PAGE: 2 of 4
PRINT DATE: 29/11/2005

Cimclean PC 410

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Extinguish with carbon dioxide, dry chemical, foam or waterspray.

Special protective equipment for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary.

Extinguishing media which must not be used for safety reasons:

None.

Specific hazards:

In the event of fire carbon oxides, nitrogen oxides (NOx) may be formed.

6. ACCIDENTAL RELEASE MEASURES

Soak up with inert absorbent material. After cleaning, flush away traces with water. Dispose of rinse water in accordance with local and national regulations.

7. HANDLING AND STORAGE

Storage:

Keep at temperatures between 5°C and 30°C in original container.

Handling:

concentrate:

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

Product at use dilution:

Use only as recommended on the product application sheet.

More information can be found in publications such as: Publication HSG 231 'Working Safely with Metalworking Fluids, Good practice manual' from the Health and Safety Executive, UK.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name:

metalworking fluid
nonionic emulsifiers

National occupational exposure limits:

10 mg/m³ (D) , 1 mg/m³ (UK guidance value)
-

Personal protection equipment:

- Respiratory protection:

No special precautions required.

- Hand protection:

Impervious gloves are required when handling product concentrate.

Type of glove (DIN/EN 374):

nitril, 0,11mm; minimum breakthrough time: 480 min.

The same gloves can be used for the diluted product, if considered necessary. Consider the particular working conditions under which the gloves are being used.

- Skin and body protection:

Effective metalworking plant protective clothing as appropriate.

- Eye protection:

Safety shield or goggles required when handling concentrated product (EN 166).

Consider the particular working conditions under which the goggles are being used

Engineering measures:

For most applications, normal shop ventilation is adequate. However, when high mist levels are generated or where machines are close together, or where ventilation is inadequate, use of splash guards or mist collectors is recommended. Mist levels should comply with local regulations.



SAFETY DATA SHEET

PAGE: 3 of 4
PRINT DATE: 29/11/2005

Cimclean PC 410

Hygiene measures:

General industrial hygiene practice. Keep away from food and drink. Follow Cimcool Skin Protection Plan (SPP01)

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	aqueous solution			
Colour:	light yellow			
pH:	(concentrate)	(20 °C)	11	DIN 51369 (7/1981)
pH:	(operating	10 %, 20 °C)	9,5	DIN 51369 (7/1981)
Boiling point/range:	> 100 °C			
Flash point:	does not flash °C			ASTM D93-80
Density:	(20 °C)	1075	kg/m ³	DIN 51757/7 (1/1984)
Water solubility	(20 °C)	completely soluble		

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions	Conditions to avoid:	Not applicable.
Materials to avoid:	Incompatible with strong acids and oxidizing agents	Hazardous decomposition products:	In the event of fire carbon oxides, nitrogen oxides (NOx) may be formed.

11. TOXICOLOGICAL INFORMATION

Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.

- Inhalation:	Not applicable	- Ingestion:	Not orally toxic
----------------------	----------------	---------------------	------------------

- Skin contact:

The concentrated product is not a primary skin irritant
Diluted product:

Mild skin irritation (redness and dryness of hands) may be experienced when the diluted product has been contaminated by certain oils, by dissolved metals or when mix ratio is too strong. When problems occur, use of water resistant barrier creams may be a temporary control measure.
If irritation persists, get medical attention.

- Eye contact:

Not a primary irritant.

12. ECOLOGICAL INFORMATION

Do not allow material to contaminate ground water system. Prevent product from entering drains

13. DISPOSAL CONSIDERATIONS

Disposal procedures must comply with local regulations. If pretreatment is needed, chemical emulsion breaking or ultrafiltration may be used.
Waste disposal number 120109.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

UN No:	-
Proper shipping name:	-

15. REGULATORY INFORMATION

The product does not need to be labelled in accordance with EC directives or respective national laws.



SAFETY DATA SHEET

PAGE: 4 of 4
PRINT DATE: 29/11/2005

Cimclean PC 410

S-phrase(s): S37 - Wear suitable gloves

16. OTHER INFORMATION

Publication HSG 231 'Working Safely with Metalworking Fluids, Good practice manual' from the Health and Safety Executive, UK.

Directive 67/548/EU (28 ATP, 2001/59/EU); Directive 88/379/EU; (1999/45/EU, 2001/60/EU); Directive 91/155/EU (2001/58/EU).

Description of the R-sentences mentioned in section 2

R50 - Very toxic to aquatic organisms

R36 - Irritating to eyes

Updated section:

12/05/2004: for Poland only

28/06/2004: 1 (French Safety Data Sheet only)

23/08/2004: 16 (Czech Safety Data Sheet only)

08/09/2004: 2

21/11/2005: 7

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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.