

! 1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of product RC-281 PF

Name of product

Identified uses

Product categories [PC]

Fluxes

Effect of the substance / the mixture

Distributor

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Phone

2. Hazards identification

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

F; R11

Xi; R36/37/38

R-phrases

11

Highly flammable.

36/37/38

Irritating to eyes, respiratory system and skin.

Additional hints

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

GHS02



GHS07



GHS08

Signal word

Danger

Hazard statements for physical hazards

H225 Highly flammable liquid and vapour.

Hazard statements for health hazards

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Statements**Prevention**

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233 Keep container tightly closed.
P242 Use only non-sparking tools.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Other hazards**Adverse physicochemical effects**

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

Adverse human health effects and symptoms

May cause sensitization in susceptible people.

Other adverse effects

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.
Process vapours can irritate airways, skin and eyes.

Information pertaining to special dangers for human and environment

Highly flammable.
Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes, respiratory system and skin.
Contact with combustible material may cause fire.

3. Composition/information on ingredients**REACH registration number****Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
67-63-0	200-661-7	propan-2-ol	85 - 90	F R11; Xi R36; R67
8050-09-7	232-475-7	colophony	10 - 15	R43

4. First aid measures**General information**

In case of allergic reactions, specially at respiratory tract, seek medical treatment immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.
If intensive inhalation of fumes seek medical treatment immediately.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

In case of eye contact

Eye rinsing with water carefully while protecting unhurt eye.
In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion

Induce the patient to vomit by him self only if fully conscious.
If swallowed by mistake drink plenty of water and seek medical treatment.
Rinse out mouth thoroughly with water.

5. Firefighting measures**Suitable extinguishing media**

Foam
Dry powder
Carbon dioxide
sand

Extinguishing media which must not be used for safety reasons

water

Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Under certain fire conditions traces of other toxic substances cannot be excluded.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

Personal precautions

Ensure adequate ventilation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

Environmental precautions

Do not seep away runed out product into ground or body of water.

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

Methods for cleaning up

Clean contaminated objects and floor thoroughly under consideration of environment regulations.

Send in suitable containers for recovery or disposal.

Take up with absorbent material (e.g. sand).

Cleaning measures with respiratory protection.

After taking up the material dispose according to regulation.

Additional Information

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

Informations for disposal see chapter 13.

7. Handling and storage

Advice on safe handling

In case of free handling thoroughly sucking off vapours is necessary.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Open and handle container with care!

Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

The product is easy combustible.

Requirements for storage rooms and vessels

Keep in closed original container.

Ventilate store-rooms thoroughly.

Advice on storage compatibility

Store at cool and aired place and at distance to acids, alkalies and combustile materials.

Further information on storage conditions

Keep container tightly closed, store at cool and aired place, open and handle carefully.

Information on storage stability

Storage time: 12 months.

8. Exposure controls/personal protection**Respiratory protection**

If ventilation insufficient, wear respiratory protection.

In case of insufficient ventilation or long-term effect use breathing apparatus.

Breathing apparatus

Hand protection

PVC gloves

Neoprene gloves

Eye protection

safety goggles, in case of increased risk add protective face shield

tightly fitting goggles

Skin protection

protective clothing

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Remove soiled or soaked clothing immediately.

Wash hands and skin before breaks and after work.

9. Physical and chemical properties**Form**

liquid

Colour

whitish

Odour

alcoholic

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
Changes in physical state solid/fluid	not determined				
Flash point	ca. 10 - 12 °C				
Ignition temperature	not determined				
Lower explosion limit	not determined				
Upper explosion limit	> 1 Vol-%				

	Value	Temperature	at	Method	Remark
Vapour pressure	0,01 mbar	20 °C			
Density	0,815 g/cm ³	20 °C			
Bulk density	not determined				
Rel. vapour density	not determined				
Viscosity	not determined				
Solvent concentration	85 - 90 %				
Solids content	10 - 15 %				

Additional information**10. Stability and reactivity****Conditions to avoid**

Reactions with acids and strong oxidising agents.

Materials to avoid

Reactions with strong oxidising agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

11. Toxicological information**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
LD50 acute oral	50 - 2000 mg/kg			
LC50 acute inhalation	5 - 50 mg/l ()			
Irritability skin	irritant			
Irritability eye	irritant - risk of strong eye injuries			
Skin sensitization	sensitizing			

Additional information

Toxicological data refer to solvent.

12. Ecological information**12. Ecological information****Data on elimination (persistence and degradability)****Data on elimination (persistence and degradability)**

Elimination rate	Method of analysis	Method	Validation
			readily degradable

**Biological
degradability****Degradability according to WRMG****Mobility and bioaccumulative potential****Mobility and bioaccumulative potential****Mobility and bioaccumulative potential****General regulation**

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

13. Disposal considerations**Waste code No.**

14 06 03*

Name of waste

other solvents and solvent mixtures

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information**Land and inland navigation transport ADR/RID**

UN 1219 Propan-2-ol (propan-2-ol), 3, II, Classification code: 3

Marine transport IMDG

UN 1219 Propan-2-ol (propan-2-ol), 3, II

Air transport ICAO/IATA-DGR

UN 1219 Propan-2-ol (propan-2-ol), 3, II

Transport/further information

Regulations concerning free quantities are to be observed.

15. Regulatory information

Chemical Safety Assessment

16. Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 11 Highly flammable.

R 36 Irritating to eyes.

R 43 May cause sensitisation by skin contact.

R 67 Vapours may cause drowsiness and dizziness.