

Material Safety Data Sheet

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According to 91/155/EEC-2001/58/EC

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

Product Name Conservate K 1
 Product Number 22.111

Use of the substance/preparation

Corrosion protection fluid

Company SCHILLING Marking Systems GmbH
 In Grubenaecker 1
 DE-78532 Tuttlingen Germany
 Technical Phone # +49 (0)7461-9472-17
 Fax +49 (0)7461-9472-29
 Emergency Phone # +49 (0)30 19240 Advisory office for
 poisoning phenomena, Berlin
 US and Canada Chemtrec Phone Number: +1 (800) 424-9300

2 - COMPOSITION/INFORMATION ON INGREDIENTS*Full text of risk phrases appearing in section 2: see section 16.*

INDEX	CAS	EC	Name	Symb.	R:	%
	61789-86-4	263-093-9	Sulfonic Acids, Petroleum, Calcium salts		52	0<=x%<2.5
	64742-55-8	265-158-7	Baseoil – unspecified	Xn	65 66	50<=x%<100
	64741-65-7	265-067-2	Low boiling point modified Naphtha	Xn	65 66 53	25<=x%<50
			Alcylaryllpolyglycoether	Xn N	41 51/53 22	0<=x%<2.5

Other substances with occupational exposure limits:

No known substance in this category present.

Other components:

This product contains severely refined and/or solvent hydrotreated mineral oils. According to IP 346 method, the PAH content is <3% (note L), therefore they are not classified according to directive 94/69/EC (21st-22nd ATP to directive 67/548/EC)

3 - HAZARDS IDENTIFICATION

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site.

This preparation presents a suck up danger due to the low viscosity associated with a petroleum by-product.

Repeated exposure may cause skin dryness or cracking.

May cause long-term adverse effects in the aquatic environment.

Preparation classification:

Harmful.



R 53 May cause long-term adverse effects in the aquatic environment.
 R 65 Harmful: may cause lung damage if swallowed.
 R 66 Repeated exposure may cause skin dryness or cracking.

Other data:

High risk of slipping due to leakage/spillage of product.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

In case of big quantities inhaled, move affected person to fresh air, keep warm and allow to rest.

In the event of splashes or contact with eyes:

Rinse eyes thoroughly with clean and fresh water.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water.

Do not use solvents or thinners.

If a high-pressure oil jet comes into contact with skin, there is a risk of infiltration into body tissues. The patient must be taken to hospital, even if no injury is visible.

In the event of swallowing:

Do not induce vomiting.

If aspiration in the lungs is suspected (during vomiting for example), take the patient to the hospital.

Information for the doctor:

Treat symptomatically

5 - FIRE FIGHTING MEASURES

Cool endangered containers with water spray jets.

Suitable extinguishing media:

Water spray or –fog, foam, CO₂, dry chemical powder

Extinguishing media which must not be used for safety reasons:

Water jet or under pressure.

Special protective equipment for fire-fighters:

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Combustion produces a complex mixture of gases and airborne particulates, including:

CO_x

SO_x

unidentified organic and inorganic compounds

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.

Methods of cleaning up:

Absorb or contain spillages with sand, earth or spill control materials.

Pick up the liquid with pumps or shovels.

Clean contaminated floors and objects thoroughly observing environmental regulations.

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.
Conditions according to local authorities.

Handling:

Never suck up this product.
Handle in well-ventilated areas.
Avoid direct contact with the product.

Fire prevention:

Prevent access by unauthorised personnel.
Design facilities to avoid the accidental splashes of product (e.g. rupturing of gasket) on hot casing or on electric connections to reduce the risk.
Avoid direct sunlight.

Recommended equipment and procedures:

For personal safety, see §8.
Observe precautions stated on label and also industrial safety regulations.
When not in use, keep the containers tightly closed and in vertical position.
Avoid inhalation of vapours.

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used.
Never open the packages under pressure.
Smoking, eating and drinking are prohibited in areas where the preparation is used.
Do not exposure to direct sunlight.

Storage:

Keep the container tightly closed in a dry place.
Keep away from food and drink.
Do not store together with strong oxidizing agents.
Storage temperature: 5-40°C
Storage time: 3 years
Use materials resistant and compatible to hydrocarbons.

8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

Exposure limit values per INRS ND 2098-174-99 and ND 2114-176-99:

Substance: Oil mist, mineral

Exposure Duration: TWA Exposure Limit: 5 mg/m³ Exposure Duration: STEL Exposure Limit: 10 mg/m³

Regulations: ACGIH Threshold Limit Values; UK: EH 40 2005 Health and Safety Executive: EH40; Occupational Exposure Limits

It is recommended that the following guidance value which is based on the reciprocal calculation procedure (RCP), is adopted. This procedure is a well-accepted approach and recommended by several organisations and associations (UK HSE, CEFIC HSPA, ACGIH, etc.).

Isoparaffinic solvents (boiling range 180 – 220°C) 1200 mg/m³

Respiratory protection:

In case of forming mist or if ventilation is not sufficient it's recommended to wear breathing apparatus (type FFA1P1 according to standard CE EN 405).

In case of higher concentrations than exposure limits, wear approved and appropriate respirator apparatus (type FFA1P1 according to standard CE EN 405).

Hand protection:

Wear protective gloves if advisable under safety aspects.

Gloves of appropriate material (i.e. nitrilic rubber, specification: penetration time: level 6, >480 min., thickness 0.9-1 mm; CE-certified acc. EN 374 cat III)

Use appropriate protection cream, especially if for safety reasons protective gloves are not advisable.

Eye and face protection:

Use glasses or face shield if there is a risk of splashing.

Skin protection:

Standard issue working clothes. Safety shoes or boots – chemical resistant.

Remove contaminated clothing. Wash affected skin with soap and water.

Don't keep lubricant contaminated rags in pockets of working clothes.

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state: fluid liquid

Important health, safety and environmental information:

pH of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: not specified.

Flash point interval: Flash point: >61°C

Flash point: 62.00 °C

Vapour pressure: not specified.

Density: <1

Density: 820 kg/m³ [20°C; ASTM D 7042]

Water solubility: Insoluble.

Viscosity: 6.2 mm²/s [20°C; ASTM D 1298]

Other information:

Melting point/melting range: not specified.

Self-ignition temperature: not specified.

Decomposition point/decomposition range: not specified.

% VOC: 30.2

VOC (g/l): 30.21

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet.

Conditions to avoid:

Heat (temperature higher than flash point), sparks, flames, static electricity and other ignition sources.

Materials to avoid:

Strong oxidising agents.

Natural latex, polyvinyl, polystyrene

Hazardous decomposition products:

No dangerous decomposition products occur under normal storage and use conditions.

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

The toxicological information are based on data for the component(s) and/or are deduced from the results of the evaluation according to the criteria of the substances/preparations directive.

In the event of exposure by inhalation:

Toxic effects are not expected: LC50>5mg/l/4h (rat)

Sensitization by inhalation is not expected.

Vapours and aerosols may cause slight, temporary irritation to respiratory system and mucous membranes.

In the event of swallowing:

Toxic effects are not expected: LD50>2000 mg/kg (rat)

By swallowing with subsequent vomiting aspiration to the lung is possible. This may cause severe, possibly irreversible damage to the lungs.

In the event of splashes or contact with skin:

Sensitization by skin contact is not expected.

Toxic effects are not expected: LD50>2000 mg/kg (rat)

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

In the event of splashes or contact with eyes:

Slight irritation is possible.

Other data:

No data available to demonstrate that the product has chronic or harmful effects on human health.

The product is not expected to be carcinogenic, mutagenic, teratogenic, or toxic for reproduction.

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

The ecological information are based on data for the component(s) and/or are deduced from the results of the evaluation according to the criteria of the substance/preparation directive.

Mobility:

In nature the product is liquid in most of conditions.

WATER: it floats on the surface.

The product contains a considerable amount of volatile components.

SOIL: In consideration of its physico-chemical characteristics, the product is expected to be not very mobile in soil.

Persistence and degradability:

Not readily biodegradable.

Bio accumulative potential:

Potentially bioaccumulable.

Ecotoxicity:

May cause long-term adverse effects in the aquatic environment.

Toxic effects on aquatic organisms are not expected: LC50/EC50/IC50>100 mg/l.

Other adverse effects:

Information on adsorbable halogenic compounds (AOX):

The product does not contain substances which may increase the AOX value.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Recommended cleaning agents: hydrocarbon cleaners or water with appropriate cleaning agent.

Codes of wastes (Decision 2001/573/EC, Directive 75/442/EEC, Directive 91/689/EEC on hazardous waste):

13 08 99 * wastes not otherwise specified

Allocation of the waste code numbers must be realized under considerations of existing sector specifics and processes. The above allocation is a recommendation for the disposal of the product after recommended use.

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005 – IMDG 2004 – ICAO/IATA 2005).

Internal transport: In order to prevent accidental release of liquid use appropriate containers, preferably furnished with adequate safety catch system. Please observe also the information given in chapter 7 “Handling and storage”.

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations. In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

Preparation classification:

Harmful.

**Contains:**BASEOIL-UNSPECIFIED
LOW BOILING POINT MODIFIED NAPHTHA**Particular hazards associated with the preparation and safety recommendations:**

R 53	May cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.
S 60	This material and its container must be disposed of as hazardous waste.
S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.
S 62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
S 23	Do not breathe vapour/spray.
S 24	Avoid contact with skin.

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

The product should be used for industrial processing or applications only.

All chapters have been up-dated.

Full text of risk phrases appearing in section 2:

R 22	Harmful if swallowed.
R 41	Risk of serious damage to eyes.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in aquatic environment.
R 52	Harmful to aquatic organisms.
R 53	May cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.