

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

• **1.1 Product identifier**

• **Trade name:** Platina 1:20, Concentrated Watch Cleaner

• **Article number:** 1251, 1501, 1001, 1001-1, 5001, 3001

• **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

• **Application of the substance / the mixture** Cleaning material/ Detergent

• **1.3 Details of the supplier of the safety data sheet**

• **Manufacturer/Supplier:**

Sambol-IBS GmbH

Walter-Schellenberg-Str. 6

78315 Radolfzell

Competent person acc. to Regulation (EC) No. 1907/2006:

Telefon: +49-(0)7732 5 65 69

Fax: +49-(0)7732 4627

kontakt@sambol.de

• **Further information obtainable from:**

Mr Sambol

Telefon: +49-(0)7732 5 65 69; Fax: +49-(0)7732 4627

• **1.4 Emergency telephone number:**

Between the usual hours of business:

Monday - Thursday, between 8.00 - 12.00 o'clock

and between 13.00 - 16.00 o'clock

Friday, between 8.00 - 12.00 o'clock

Tel.: +49(0)7732 5 65 69

SECTION 2: Hazards identification

• **2.1 Classification of the substance or mixture**

• **Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

• **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R37/38-41: Irritating to respiratory system and skin. Risk of serious damage to eyes.

Xi; Sensitising

R43: May cause sensitisation by skin contact.

R10: Flammable.

• **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

• **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

• **2.2 Label elements**

• **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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· Hazard pictograms

GHS02 GHS05 GHS07

· Signal word Danger**· Hazard-determining components of labelling:**

Decan-1-ol, ethoxylated
ammonia
Secondary alkane-(C14-17)-sulfonate, sodium salt
trisodium nitrilotriacetate

· Hazard statements

H225 Highly flammable liquid and vapour.
H302+H332 Harmful if swallowed or if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 2.3 Other hazards**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients**· 3.2 Chemical characterisation: Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 64-17-5	ethanol	10<20%
EINECS: 200-578-6	F R11	
Index number: 603-002-00-5	Flam. Liq. 2, H225	
Reg.nr.: 01-2119457610-43-xxxx		
CAS: 61827-42-7	Fatty alcohol ethoxylated	5-10%
Polymer	Xn R22; Xi R41	
	Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 1336-21-6	ammonia	5-10%
EINECS: 215-647-6	C R34; N R50	
Index number: 007-001-01-2	Skin Corr. 1B, H314; Aquatic Acute 1, H400	

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CAS: 97489-15-1	Secondary alkane-(C14-17)-sulfonate, sodium salt	3-7%
EC number: 307-055-2	Xn R22; Xi R38-41	
Reg.nr.: 01-2119489924-20-XXXX	Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	
CAS: 5064-31-3	trisodium nitrilotriacetate	3-7%
EINECS: 225-768-6	Xn R22-40; Xi R36	
Index number: 607-620-00-6	Carc. Cat. 3	
Reg.nr.: 01-2119519239-36	Carc. 2, H351; Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 61827-42-7	Fatty alcohol ethoxylated	3-7%
Polymer	Xi R41	
	Eye Dam. 1, H318	
CAS: 126-71-6	triisobutyl phosphate	1<3%
EINECS: 204-798-3	Xi R43	
Reg.nr.: 01-2119957118-32-0000	Skin Sens. 1, H317	
<ul style="list-style-type: none"> • Regulation (EC) No 648/2004 on detergents / Labelling for contents 		
non-ionic surfactants, anionic surfactants		5 - 15%
NTA (nitrilotriacetic acid) and salts thereof		< 5%
<ul style="list-style-type: none"> • Additional information: For the wording of the listed risk phrases refer to section 16. 		

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Take affected persons out into the fresh air.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
Allergic reactions
Headache
Disziness
Nausea
- **Information for doctor:**
Treat according to symptoms (decontamination, vital functions), no known specific antidote.
- **4.3 Indication of any immediate medical attention and special treatment needed**
Medical supervision for at least 48 hours.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
After evaporation of water (in case of a mass fire for example) the following substances may be formed, if heating goes on:

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Carbon dioxide (CO₂)

Incomplete combustion may cause Carbon monoxide, toxic fumes and smouldering gases.

NH₃Sulphur oxides (SO_x)

Phosphorus oxides

Nitrogen oxides (NO_x)

Vapours (heavier than air) form explosive mixtures in combination with air.

- **5.3 Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

- **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

- **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to penetrate the ground/soil.

In case of seepage into the ground inform responsible authorities.

- **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

For large amounts: Pump off product.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

- **Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

Emergency cooling must be available in case of nearby fire.

Fumes can combine with air to form an explosive mixture.

When heated the product forms flammable fumes.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Prevent any seepage into the ground.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

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Store away from oxidising agents.

Do not store together with acids.

· **Further information about storage conditions:**

Keep container tightly sealed.

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

The shelf life stated on the label is subject to correct storage of the product.

· **Recommended storage temperature:** Not store under -12 °C - less sensitive to freeze

· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

64-17-5 ethanol (10<20%)

WEL (Great Britain) Long-term value: 1920 mg/m³, 1000 ppm

· **DNELs**

97489-15-1 Secondary alkane-(C14-17)-sulfonate, sodium salt

Oral DNEL 7.1 mg/kg KG/Tag (general population long-term)

Dermal DNEL 2.8 mg/cm² (worker short-term)

2.8 mg/cm² (worker long-term)

5 mg/kg KG/Tag (worker long-term)

2.8 mg/cm² (general population short-term)

2.8 mg/cm² (general population long-term)

3.57 mg/kg KG/Tag (general population long-term)

Inhalative DNEL 35 mg/m³ (worker long-term)

12.4 mg/m³ (general population long-term)

5064-31-3 trisodium nitrilotriacetate

Inhalative DNEL 5.25 mg/m³ (worker short-term)

3.5 mg/m³ (worker long-term)

1.75 mg/m³ (general population short-term)

0.5 mg/m³ (general population long-term)

· **PNECs**

97489-15-1 Secondary alkane-(C14-17)-sulfonate, sodium salt

Oral PNEC 53.3 mg/kg Futter (Tie)

PNEC 9.4 mg/kg Sediment (soil)

600 mg/l (sewage treatment plant)

0.94 mg/kg Sediment (sediment marine water)

9.4 mg/kg Sediment (sediment freshwater)

0.004 mg/l (water (marine water))

0.04 mg/l (water (freshwater))

0.06 mg/l (water (intermittent releases))

5064-31-3 trisodium nitrilotriacetate

PNEC 0.182 mg/kg Boden (soil)

540 mg/l (sewage treatment plant)

0.093 mg/l (water (marine water))

0.364 mg/kg Sediment (water (marine water))

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0.93 mg/l (water (freshwater))

3.64 mg/kg Sediment (water (freshwater))

0.915 mg/l (water (intermittent releases))

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Apply solvent resistant skin cream before starting work.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

Do not carry product impregnated cleaning cloths in trouser pockets.

- **Respiratory protection:**

Use suitable respiratory protective device only when aerosol or mist is formed.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Recommended filter device for short term use:** filter A

- **Protection of hands:**

Solvent resistant gloves

Alkaline resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Fluorocarbon rubber (Viton)

Butyl rubber, BR

- **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Gauze goggles

- **Body protection:**

Solvent resistant protective clothing

Alkaline resistant protective clothing

Choose personal protective equipment according to activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Light yellow
	Brown
	Clear

- **Odour:** Like ammoniac

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- **pH-value:** 10,4 (10g/l)
- **Change in condition**
 - Melting point/Melting range:** Undetermined.
 - Boiling point/Boiling range:** Undetermined.
- **Flash point:** 22 °C
- **Ignition temperature:** 200 °C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- **Explosion limits:** Published values of:
 - ethanol
- **Lower:** 3.5 Vol %
- **Upper:** 15.0 Vol %
- **Density at 20 °C:** 0.97 g/cm³
- **Solubility in / Miscibility with water:** Fully miscible.
- **Viscosity:** fluid, watery
- **Solvent content:**
 - Organic solvents:** 15.0 %
 - VOC (EC)** 15.00 %
- **9.2 Other information** No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**

No dangerous reactions if handled and stored according to regulations and instructions.
 Develops readily flammable gases/fumes.
 Reacts with oxidising agents.
 Strong exothermic reaction with acids.
 Forms explosive gas mixture with air.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**

Strong oxidizing agents
 Acids
- **10.6 Hazardous decomposition products:**

None if used correctly.
 Concerning decomposition products in the event of fire, see Chapter 5.

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SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

61827-42-7 Fatty alcohol ethoxylated

Oral LD 50 500-2000 mg/kg (rat)

1336-21-6 ammonia

Oral LD 50 350 mg/kg (rat)

Inhalative LC 50 (4h) 1.4 mg/l (rat)

5064-31-3 trisodium nitrilotriacetate

Oral LD 50 1100 mg/kg (rat)

Dermal LD 50 > 10000 mg/kg (rabbit)

Inhalative LC 50 (4h) > 5 mg/l (rat)

- **Primary irritant effect:**

- **on the skin:** Irritant to skin and mucous membranes.

- **on the eye:** Strong irritant with the danger of severe eye injury.

- **Sensitisation:** Sensitisation possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

61827-42-7 Fatty alcohol ethoxylated

LC 50 (96h) > 100 mg/l (Leuciscus idus)

1336-21-6 ammonia

EC 50 (48h) 24 mg/l (Daphnia magna)

LC 50 (96h) 15 mg/l (Gambusia affinis)

0.53 mg/l (Oncorhynchus mykiss)

0.75 - 3.4 mg/l (Pimephales promelas)

5064-31-3 trisodium nitrilotriacetate

EC 50 (48h) 780 mg/l (Daphnia magna)

EC 50 (72h) > 91.5 mg/l (Scenedesmus subspicatus)

LC 50 (96h) 312 mg/l (Lepomis macrochirus)

> 500 mg/l (Leuciscus idus)

98 mg/l (Oncorhynchus mykiss)

> 100 mg/l (Pimephales promelas)

- **12.2 Persistence and degradability**

The product is partially biodegradable. Significant residuals remain.

- **Biodegradability**

61827-42-7 Fatty alcohol ethoxylated

Biolog. Abbaubarkeit > 60 % (OECD 301 B)

> 90 % (OECD 303 A)

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5064-31-3 trisodium nitrilotriacetate

Biolog. Abbaubarkeit 90 - 100 % (OECD 301 B)

(28d) > 70 % (OECD 301 E)

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**

- **General notes:**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even small quantities leak into the ground.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Waste disposal key:**

The mentioned waste codes are recommendations based on the product application as suggested by the manufacturer. Special applications and special disposal conditions at the applier's place may however require another waste code.

- **European waste catalogue**

11 01 09* sludges and filter cakes containing dangerous substances

11 01 11* aqueous rinsing liquids containing dangerous substances

16 03 05* organic wastes containing dangerous substances

- **Uncleaned packaging:**

- **Recommendation:**

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**

- **ADR, IMDG, IATA**

UN1993

- **14.2 UN proper shipping name**

- **ADR**

UN1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

- **IMDG**

FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))

- **IATA**

FLAMMABLE LIQUID, N.O.S. (ETHANOL)

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- **14.3 Transport hazard class(es)**

- **ADR**



- **Class** 3 (F1) Flammable liquids.
- **Label** 3

- **IMDG, IATA**



- **Class** 3 Flammable liquids.
- **Label** 3
- **14.4 Packing group**
- **ADR, IMDG, IATA** II
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Warning: Flammable liquids.
- **Danger code (Kemler):** 33
- **EMS Number:** F-E, S-E
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **Transport/Additional information:**

- **ADR**
- **Limited quantities (LQ)** 1L
- **Transport category** 2
- **Tunnel restriction code** D/E
- **UN "Model Regulation":** UN1993, FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 3, II

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- **Class Share in %**
- **NK** 10<20
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.

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H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H351 Suspected of causing cancer.
 H400 Very toxic to aquatic life.

R11 Highly flammable.
 R22 Harmful if swallowed.
 R34 Causes burns.
 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 sensitisation by skin contact.
 R50 Very toxic to aquatic organisms.

• **Contact:** Mr Sambol Tel. +49-(0)7732 5 65 69

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1

• *** Data compared to the previous version altered.**