

SAFETY DATA SHEET

Date: July, 2010, version 1

Product: **Power WC**

1. PREPARATION AND COMPANY IDENTIFICATION

Name of the product	Power WC
Application of the product	Cleaner for toilet bowls, ceramic sinks and tiles, etc.
Distributor	SIA "Viss visapkārt tīrs"
Distributor address:	Ganību dambis 7a, Rīga, Latvia
Postal code:	LV – 1045
Telephone:	+371 67566306
Fax:	+371 67566305
E-mail, web-site:	www.vvt.lv ; info@vvt.lv
Competent person:	egils@vvt.lv
Emergency contact:	State Fire and Rescue Service of Latvia: 112 State Toxicology Centre: 67042468 Medicine and Intoxication Information Centre: 67042473 (round the clock)

2. HAZARDS IDENTIFICATION:

Xi Irritant
R38 irritating to skin
R41 Risk of serious damage to eyes

3. COMPOSITION/INFORMATION ON INGREDIENTS:

CAS no.	Substance name	Concentration, %	Classification
68551-12-2	Alcohols, C12-16, ethoxylated	>1<10	Xn R22 R41
5949-29-1	Citric acid	>1<10	Xn R36
7664-38-2	Ortho-phosphoric acid	>1<10	C R34

4. FIRST AID MEASURES:

If the product is inhaled:	Is not related to this case – the product is not evaporable.
Skin contact:	Take off contaminated clothes. Wash skin with plenty of water. In case of persistent irritating seek medical advice.
Eye contact:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If the product is swallowed:	If swallowed, seek medical advice immediately and show container or label.
First aid means, which have to be present at the workplace:	Fresh water

5. FIRE-FIGHTING MEASURES:

Suitable extinguishing media:	Water, CO ₂ , foam, extinguishing media – powder
Forbidden to use:	-
Hazard by flammable product:	Does not burn
Special protection equipment for fire-fighters:	Protective clothes

6. ACCIDENTAL RELEASE MEASURES:

Personnel security measures:	Avoid contact with eyes and skin. Use protective gloves and clothes.
Environment protection measures:	Do not drain a big amount of the product undiluted.
Collection methods:	Pick up with suitable absorbent material.

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Dispose of absorbed material in accordance with regulations.

7. HANDLING AND STORAGE:

Handling	Handle in accordance with good industrial hygiene and safety practice.
Storage	Keep container tightly closed in well-ventilated place. Storage temperature +5 ⁰ C to + 30 ⁰ C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Limit-values for professional exposure:	TWA of the product components is as follow: Ortho-phosphoric acid – 8 h 1mg/m ³ , shortly 2 mg/m ³ .
Individual protection:	
Respiratory protection:	Is not necessary.
Respiratory protection:	Rubber gloves are recommended
Eyes protection:	Avoid contact with eyes
Environment protection:	Do not drain the product undiluted.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Clear liquid
Colour:	red
Odour	Citrus
Product pH	~1.4
Melting point:	-
Boiling point:	~100°C
Flash point:	Does not flame
Combustibility:	Does not burn
Self-ignition temperature:	Does not burn
Density:	~1,050 g/cm ³
Solubility in water:	fully soluble

10. STABILITY AND REACTIVITY:

Conditions to be avoided:	None
Materials or products to be avoided:	None
Hazardous decomposition products:	None

11. TOXICOLOGICAL INFORMATION:

Types of effect:

Eyes contact:	The product is irritating to eyes.
Skin contact:	Phosphoric acid: causes burns.
Toxicity:	The toxicity of the components within the product is as follow: Alcohols, C12-16, ethoxylated: LD50 (oral, rats) 200-2000mg/kg Ortho-phosphoric acid LD50 1530 mg/kg (oral, rats). Citric acid LD50 >2000 mg/kg (oral, rats).

12. ECOLOGICAL INFORMATION:

Eco toxicity of the product components:	Alcohols, C12-16, ethoxylated: LC50, (96 h) fish 1-10 mg/l EC50 (48 h) daphnia 1-10 mg/l
Mobility of the product components:	No data
Biodegradability of the product components:	Alcohols, C12-16, ethoxylated: easy biodegradable. >70% DOC, 28 days (OECD 301E). Ortho-phosphoric acid: biodegradable.
Bioaccumulation of the product components:	Alcohols, C12-16, ethoxylated: biodegradable.
Other negative impact on the environment:	Large amount of product can cause negative effect to water environment – to reduce level of pH

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13. DISPOSAL CONSIDERATIONS:

Must be dumped or incinerated in accordance with local regulations

14. TRANSPORT INFORMATION:

To be transported in closed and clean vehicles, protecting the product from environmental effects in accordance with the cargo transportation regulations that apply to the corresponding transportation means. Must not be transported in specialized foodstuffs transportation means.

15. REGULATORY INFORMATION:

Transport marking: According with standard TN 99-2010

Hazard classification: **Xi irritant**

R 36/38 irritating for eyes and skin

Safety information: S2 Keep out of the reach of children

S24/25 Avoid contact with skin and eyes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S37 Wear suitable gloves

S46 If swallowed, seek medical advice immediately and show container or label

Laws and regulations: Cabinet Regulations No 107 of the Republic of Latvia: "Order of classification, labelling and packaging of chemical substances and chemical products".
Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents.

Guide to the compilation of Safety Data Sheets, Annex II to Regulation (EC)

No 1907/2006 of the European Parliament and of the Council

LVS EN ISO 780:1999, "Packaging – Pictorial marking for handling of goods."

TN 99-2010

16. OTHER INFORMATION:

LD50 – amount of chemical substance (mg/kg of live weight), which over a certain time period after its admittance into live organisms causes the death of 50% of the live organisms that have been subject to the effects of the corresponding chemical substance.

LC50 – concentration of a chemical substance in the air or in the water (mg per litre of inhaled air), which over a certain time period after its admittance into live organisms causes the death of 50% of the live organisms that have been subject to the effects of the corresponding chemical substance.

EC50 – concentration of a substance, under which the tested effect is observed within 50% of the test organisms.

BSB28/CSB – Biodegradation Test Method.

OECD – Organization for Economic Cooperation and Development.

DOC – Dissolved organic carbon (Biodegradation Test Method).

CAS number – Chemical Abstracts Service Registry Number Registry number.

LVS – Latvian National Standard.

ISO – International Organization for Standardization.

TN – company Technical Rules

Explanation of the hazard marking:

Xn Harmful

Xi Irritating

C Corrosive

R22 Harmful if swallowed

R34 Causes burns

R36 Irritating to eyes

Other data:

The information provided in this security data sheet is based on the data supplied by the manufacturer of the product, which are to be deemed correct only if using the product for its intended purpose. It is the user's own responsibility to evaluate the herein provided information and its applicability to particular product usage conditions, and to carry out all the required precautionary safety measures. The company is not liable for the conformity and applicability of this information with regard to other user-specific requirements of the user.