

**TICKOPUR J 80U**

Print date: 31.05.2015

No: 83017

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Cleaning agent. Deoxidisation, ready for use.  
Restricted to professional users.

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

Company name: DR.H.STAMM GmbH Chemische Fabrik  
Street: Heinrichstr. 3 – 4  
Place: 12207 Berlin, GERMANY  
Telephone: +49 30 76880-280  
e-mail: info@dr-stamm.de  
Internet: www.dr-stamm.de  
Responsible Department: sdb@dr-stamm.de, Tel.: +49 30 76880-258

**1.4. Emergency telephone number:**

24-hours-emergency: Giftnotruf Berlin: +49 30 30686790 (german, english)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: Xn - Harmful  
R phrases:  
Limited evidence of a carcinogenic effect.  
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:  
Carcinogenicity: Carc. 2  
Reproductive toxicity: Repr. 2  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Suspected of causing cancer.  
Suspected of damaging the unborn child.  
Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Hazardous components which must be listed on the label**

thiocarbamide, thiourea

Signal word: Warning

Pictograms: GHS08

**Hazard statements**

H351 Suspected of causing cancer.  
H361d Suspected of damaging the unborn child.  
H412 Harmful to aquatic life with long lasting effects.

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**Precautionary statements**

P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
213-791-2	Water	70-80 %
7732-18-5		
200-543-5	thiocarbamide, thiourea	<5,0 %
62-56-6	Carc. Cat. 3, Repr. Cat. 3, Xn - Harmful, N - Dangerous for the environment R40-63-22-51-53	
612-082-00-0	Carc. 2, Repr. 2, Acute Tox. 4, Aquatic Chronic 2; H351 H361d *** H302 H411	
231-633-2	Phosphoric acid ... %; orthophosphoric acid	<5,0 %
7664-38-2	C - Corrosive R34	
015-011-00-6	Skin Corr. 1B; H314	
201-069-1	Citric acid	<1,0 %
5949-29-1	Xi - Irritant R36	
	Eye Irrit. 2; H319	
	C12-C14 Fatty alcohol ethoxylate	<1,0 %
68439-50-9	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R22-41-50	
	Acute Tox. 4, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 1); H302 H318 H400	
235-741-0	Phosphoric acid-2 ethylhexylester	<0,2 %
12645-31-7	C - Corrosive R34	
	Skin Corr. 1B; H314	

Full text of R-, H- and EUH-phrases: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Take off immediately all contaminated clothing.

**After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with plenty of Water and soap.

**After contact with eyes**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

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**After ingestion**

Rinse mouth immediately and drink large quantities of water. Do not induce vomiting. Consult physician.

**4.2. Most important symptoms and effects, both acute and delayed**

No symptoms known up to now.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water. Foam. Atomized water.

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Can be released in case of fire: Nitrogen oxides (NOx). Carbon dioxide (CO2). Sulfur oxides. Phosphorus oxides.

**5.3. Advice for firefighters**

Protective clothing.

**Additional information**

Material is not combustible. Extinguishing materials should be selected according to the surrounding area.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

**6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal.

**6.4. Reference to other sections**

See protective measures under point 7 and 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

No special technical protective measures are necessary.

**Advice on protection against fire and explosion**

Product is not: Oxidizing. Flammable. explosive.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store only in original container. Keep away from food, drink and animal feedingstuffs.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7664-38-2	Orthophosphoric acid	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

**8.2. Exposure controls****Appropriate engineering controls**

Refer to chapter 7. No further action is necessary.

**Protective and hygiene measures**

Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work.

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

Suitable material: PE (polyethylene). CR (polychloroprenes, Chloroprene rubber). NBR (Nitrile rubber).  
Butyl rubber. FKM (Fluoroelastomer (Viton)).  
Tested protective gloves are to be worn: EN 374

**Skin protection**

Skin protection: not required.

**Respiratory protection**

Respiratory protection not required.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: liquid  
Colour: clear, light yellow  
Odour: characteristic

pH-Value (at 20 °C):

**Test method**  
1,3 DGF H-III 1

**Changes in the physical state**

Melting point: -10 °C  
Initial boiling point and boiling range: >100 °C  
Flash point: ---

**Explosive properties**

not Explosive.

**Oxidizing properties**

not oxidizing.

Density (at 20 °C):

1,038 g/cm<sup>3</sup> DIN 12791

Water solubility:

complete miscible

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None, in case of proper use.

**10.2. Chemical stability**

The product is chemically stable under normal ambient conditions.

**10.3. Possibility of hazardous reactions**

None, in case of proper use.

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**10.4. Conditions to avoid**

Thermal decomposition can lead to the escape of irritating gases and vapors.

**10.5. Incompatible materials**

Alkalis (alkalis), concentrated. Alkali metals.

**10.6. Hazardous decomposition products**

None, in case of proper use.

**Further information**

Do not mix with other products.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
62-56-6	thiocarbamide, thiourea				
	oral	ATE	500 mg/kg		
68439-50-9	C12-C14 Fatty alcohol ethoxylate				
	oral	ATE	500 mg/kg		
12645-31-7	Phosphoric acid-2 ethylhexylester				
	oral	LD50	>2000 mg/kg	Ratte	

**Irritation and corrosivity**

Irritant effect on the eye: irritant. Irritant effect on the skin: irritant.

**Sensitising effects**

no danger of sensitization.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Limited evidence of a carcinogenic effect.

**SECTION 12: Ecological information****12.1. Toxicity**

Harmful to aquatic organisms.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
7664-38-2	Phosphoric acid ... %; orthophosphoric acid					
	Acute fish toxicity	LC50	138 mg/l	96 h	Gambusia affinis	
12645-31-7	Phosphoric acid-2 ethylhexylester					
	Acute fish toxicity	LC50	189-355 mg/l	96 h	Danio rerio	

**12.2. Persistence and degradability**

The surfactants contained in this preparation 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.

**12.3. Bioaccumulative potential**

On the basis of existing data about disposal/decomposition and bio-accumulation potential, long term environmental damage is unlikely.

**12.4. Mobility in soil**

No data available

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

not applicable

**12.6. Other adverse effects**

No data available

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Waste disposal according to official state regulations.

**Contaminated packaging**

Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

**SECTION 14: Transport information****Other applicable information**

Not a hazardous material with respect to transportation regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 0 % (0g/l)

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Data changed from previous versions: 2, 8, 11, 12, 15, 16

**Relevant R-phrases (Number and full text)**

22	Harmful if swallowed.
34	Causes burns.
36	Irritating to eyes.
40	Limited evidence of a carcinogenic effect.
41	Risk of serious damage to eyes.
50	Very toxic to aquatic organisms.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.
63	Possible risk of harm to the unborn child.

**Relevant H- and EUH-phrases (Number and full text)**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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**Further Information**

Training instructions: Notice the directions for use on the label.

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*