



Safety data sheet according to 1907/2006/EC, Article 31

Printing date: 02.09.2014

Version: 5. 0

Revision: 02.09.2014

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

- **1.1 Product identifier**
- **Trade name:** Dr. Beckmann Stain Devils Grease, Lubricant & Paint
- **Formulation-No.:** 011-12
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:** -
- **Application of the substance / the preparation:** Special cleaning agent
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**
ACDOCO Ltd.
Martens Road
Northbank Industrial Estate
Irlam, Manchester M44 5AX
UK
Tel: +44 (0) 161 7757766
- **Manufacturer:**
d e l t a pronatura
Dr. Krauss & Dr. Beckmann KG
Kurt-Schumacher-Ring 15-17
63329 Egelsbach
Germany

- Phone: int+49-(0)6103-4045-0
Fax: int+49-(0)6103-4045-190
- **Email competent person:** sds@kft.de
- **Information department:** See supplier/manufacturer
- **1.4 Emergency telephone number:**
National Poisons Information Service (NPIS)
24 hour national number is 0844 892 0111 professionals only

- National Health Service (NHS)
24 hour national number is 0845 4647 consumer

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

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



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

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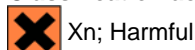


GHS07

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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



Xn; Harmful

R65: Harmful: may cause lung damage if swallowed.



Xi; Irritant

R41: Risk of serious damage to eyes.



F; Highly flammable

R11: Highly flammable.

R52/53-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment:

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Classification system:

The classification is based on Regulation (EC) 1272/2008 including its amendments, and on company information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02



GHS05



GHS07



GHS08

Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Isotridecanol, ethoxylated (> 5-15 mol e.o.)

Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics

Isotridecanol, ethoxylated (2-5 mol e.o.)

Hazard statements

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

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P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other notes:

According to regulation 1272/2008/EG annex II the containers are to fitted with child-resistant fastenings and a tactile warning of danger if offered or sold to the general public.

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:** Solution of special active agents**Dangerous components:**

EC number: 918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics Xn R65 R66 Asp. Tox. 1, H304	20-25%
EC number: 918-317-6	Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics Xn R65 R66 Asp. Tox. 1, H304	20-25%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	ethanol F R11 Flam. Liq. 2, H225	10-20%
EC number: 920-750-0	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics Xn R65; F R11; N R51/53 R66-67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	10-20%
CAS: 69011-36-5 NLP: 500-241-6	Isotridecanol, ethoxylated (2-5 mol e.o.) Xi R41 Eye Dam. 1, H318; Aquatic Chronic 3, H412	5-10%
CAS: 69011-36-5	Isotridecanol, ethoxylated (> 5-15 mol e.o.) Xn R22; Xi R41 Eye Dam. 1, H318; Acute Tox. 4, H302	5-10%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3	1-methoxypropan-2-ol R10-67 Flam. Liq. 3, H226; STOT SE 3, H336	< 2.5%
CAS: 68439-50-9 NLP: 500-213-3	Alcohols, C12-14, ethoxylated Xi R41; N R50 Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 3, H412	< 1%

Regulation (EC) No 648/2004 on detergents / Labelling for contents:aliphatic hydrocarbons ≥ 30%non-ionic surfactants 5 - 15%

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· **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.

· **After inhalation:**

If concentrated larger quantities are inhaled, supply fresh air.

If symptoms persist, consult a doctor.

· **After skin contact:**

Wash with water and soap and rinse with plenty of water.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Protect unharmed eye.

Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult an eye specialist immediately.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

If vomiting occurs spontaneously:

Hold the head of the vomiting person low with the body in a prone position in order to avoid aspiration.

Call a doctor immediately.

· 4.2 Most important symptoms and effects, both acute and delayed

Local irritation symptoms

On eyes:

Serious damage to eyes

· **Danger:**

Risk of aspiration.

Aspiration may cause damage of the respiratory tract or lungs.

· 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment

(decontamination, vital functions)

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:**

Water jet spray

Fire-extinguishing powder

Carbon dioxide (CO₂)

Use fire fighting measures that suit the environment.

· **For safety reasons unsuitable extinguishing agents:** High volume water jet

· 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

In certain fire conditions, traces of other toxic gases cannot be excluded.

· 5.3 Advice for firefighters

· **Protective equipment:**

Do not inhale explosion gases or combustion gases.

Wear self-contained respiratory protective device.

Wear a fully protective suit.

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· Additional information:

Heating leads to increased pressure and danger of bursting and explosion. Immediately cool neighbouring packages and containers with sprayed water and, if possible, remove them out of the danger zone.

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

Ensure adequate ventilation.

Wear protective clothing.

Do not smoke - keep ignition sources away

Use respiratory protective device against the effects of fumes/dust/aerosol.

· 6.2 Environmental precautions:

The following information refer to the leakage of large quantities:

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.

Prevent seepage into sewage system, workpits and cellars.

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:

Ensure adequate ventilation.

Absorb with non-combustible material like sand, soil or diatomite.

Make sure to recycle or dispose of in suitable receptacles.

· 6.4 Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 7 for information on safe handling

See Section 13 for disposal information.

SECTION 7: Handling and storage**· 7.1 Precautions for safe handling**

Use only in well ventilated areas.

Use solvent-proof equipment.

Keep away from heat and direct sunlight.

Avoid inhalation of vapours.

Avoid contact with eyes and skin.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Vapours may form explosive mixtures with air.

Flammable gas-air mixtures may be formed in empty receptacles.

· 7.2 Conditions for safe storage, including any incompatibilities**· Storage:****· Requirements to be met by storerooms and receptacles:**

Provide solvent resistant, sealed floor.

Store container tightly sealed at a cool and dry place with sufficient ventilation.

· Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from foodstuffs.

Store away from feed.

Refer to national regulations for storing hazardous chemicals.

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· Further information about storage conditions:

Protect from heat and direct sunlight.
Keep receptacle tightly sealed.

· Storage class: 3: Flammable liquids**· 7.3 Specific end use(s)**

Follow the directions!
Do not inhale fumes/aerosol.

SECTION 8: Exposure controls/personal protection**· Additional information about design of technical systems:** No further data; see section 7.**· 8.1 Control parameters****· Components with limit values that require monitoring at the workplace:****64-17-5 ethanol**

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

107-98-2 1-methoxypropan-2-ol

WEL (Great Britain) Short-term value: 560 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
Sk

IOELV (European Union) Short-term value: 568 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
Skin

· 8.2 Exposure controls**· Personal protective equipment:****· General protective and hygienic measures:**

The usual precautionary measures should be adhered to when handling chemicals.

Avoid contact with eyes and skin.

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

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Use skin protection cream for skin protection.

The following instructions regarding the protective equipment refer to the industrial use of larger quantities.

Provide eye bath.

· Breathing equipment:

Use a suitable respiratory protective device in case of insufficient ventilation.

In case of unintentional release of substance, exceeding the occupational exposure limit value:



In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.

Short term filter device (EN 149):

Filter AX (colour coding brown; DIN EN 141)

Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

· Protection of hands:

Chemical resistant gloves (EN 374)

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

Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

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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.

Penetration time of glove material:

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

Eye protection: Safety glasses**Body protection:** Protective work clothing**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information:****Appearance:**

Form:	Liquid
Colour:	Colourless
Odour:	Petrol-like
Odour threshold:	Not determined

Change in condition:**Melting point/Melting range:** Not determined**Boiling point/Boiling range:** Not determined**Flash point:** < 10 °C**Ignition temperature:** Not determined**Self ignition temperature:** Product is not self-igniting.**Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures is possible.**Explosion limits:****Lower:** Not determined**Upper:** Not determined**Density at 20 °C:** ~ 0.8 g/cm³**Vapour density:** Not determined**Solubility in / Miscibility with****Water:** Partly soluble**Viscosity:****dynamic:** Not determined**kinematic at 20 °C:** 1.46 mm²/s**Surface tension:** 25.2 mN/m**9.2 Other information** No further relevant information available**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:** Heating may lead to bursting of receptacles.**10.3 Possibility of hazardous reactions** No dangerous reactions known**10.4 Conditions to avoid** No further relevant information available**10.5 Incompatible materials:** Strong oxidants

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10.6 Hazardous decomposition products:

No hazardous decomposition products if instructions for storage and handling are followed

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics**Oral LD₅₀ >5000 mg/kg (rat)Dermal LD₅₀ >2000 mg/kg (rabbit)Inhalative LC₅₀/8h > 5000 mg/kg (rat)**Hydrocarbons, C10-C13, isoalkanes, cyclics, <2% aromatics**Oral LD₅₀ > 5000 mg/kg (rat) (OECD 401)Inhalative LC₅₀ > 5 mg/l (rat) (OECD 403)**Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics**Oral LD₅₀ > 5000 mg/kg (rat) (OECD 401)Dermal LD₅₀ > 2800 mg/kg (rabbit) (OECD 402)**107-98-2 1-methoxypropan-2-ol**Oral LD₅₀ 5000 mg/kg (rat)Dermal LD₅₀ 13500 mg/kg (rabbit)Inhalative LC₅₀/4 h 6 mg/l (rat)**Primary irritant effect:****on the skin:**

Defatting effect on the skin

Continuing or repeated contact with the skin may cause dermatitis.

on the eye: Strongly irritant with the danger of severe eye injury**On respiratory tract:** No data available**Sensitisation:** No sensitising effects known**Other information (about experimental toxicology):****Carcinogenic, mutagenic effects and adverse effects on reproduction:**

Presently available data show no carcinogenic, mutagenic or teratogenic effects.

Subacute to chronic toxicity:**STOT-single exposure** May cause drowsiness or dizziness.**STOT-repeated exposure:** No classification**Aspiration hazard** May be fatal if swallowed or inhaled.**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:**

There are no quantitative data available for the product itself.

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclicsEC₅₀/48h 3 mg/l (Daphnia magna)EC₅₀/72h 10-30 mg/l (Pseudokirchneriella subcapitata)LC₅₀/96h > 13.5 mg/l (Oncorhynchus mykiss)**12.2 Persistence and degradability** The single components are biodegradable.

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- **Other information:** The product has not been tested.
- **12.3 Bioaccumulative potential** The product has not been tested.
- **12.4 Mobility in soil** No further relevant information available
- **Ecotoxicological effects:**
- **Remark:** The product has not been tested.
- **Additional ecological information:**
- **General notes:**
Follow producer's instructions for use.
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 to water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water even if 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:** Disposal according to instructions of local authorities
- **European waste catalogue:**
07 00 00 WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 04* other organic solvents, washing liquids and mother liquors
- **Uncleaned packagings:**
- **Recommendation:**
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
Non contaminated packagings can be used for recycling.
- **Recommended cleansing agent:** Water

SECTION 14: Transport information

· 14.1 UN-Number	
· ADR, IMDG, IATA	UN1993
· 14.2 UN proper shipping name	
· ADR	1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), special provision 640D
· IMDG	FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)
· IATA	FLAMMABLE LIQUID, N.O.S. (ETHANOL, Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)

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<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR 	
	
<ul style="list-style-type: none"> · Class · Label 	<p>3 (F1) Flammable liquids 3</p>

<ul style="list-style-type: none"> · IMDG, IATA 	
	
<ul style="list-style-type: none"> · Class · Label 	<p>3 Flammable liquids 3</p>
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	
	<p>II</p>
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: 	
	<p>No</p>
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: 	
	<p>Warning: Flammable liquids 30 F-ES-E</p>
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	
	<p>Not applicable</p>
<ul style="list-style-type: none"> · Transport/Additional information: 	

<ul style="list-style-type: none"> · ADR · Limited quantities (LQ): · Excepted quantities (EQ) 	
	<p>1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> · Transport category: · Tunnel restriction code: 	
	<p>2 D/E</p>

<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	
	<p>1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	
	<p>UN1993, FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics), special provision 640D, 3, II</p>



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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:**
Take note of Directive 94/33/EC on the protection of young people at work.
Take note of Directive 92/85/EC on the safety and health of pregnant workers at work.
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water
- **Further information:** Version/s 4 is/are not available in this language.
- **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.

- **Reasons for amendments:**
Regulation (EC) No. 1272/2008 /CLP
Data on components
General revision
- **First date of preparation:** 24.01.2014
- **Relevant phrases**
As mentioned in section 3 of the safety data sheet (not relevant for labelling of the product)
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
R10 Flammable.
R11 Highly flammable.
R22 Harmful if swallowed.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
- **Department issuing MSDS:**
KFT Chemieservice GmbH
Im Leuschnerpark. 3 64347 Griesheim
Postfach 1451 64345 Griesheim
Germany

Phone: +49 6155 86829-0 Fax: +49 6155 86829-25
Safety Data Sheet Service: +49 6155 86829-22
- **Contact:** Dr. Daniela Krimm

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· 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)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
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)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· * Data compared to the previous version altered.

Changes have been made to sections marked with a *, as compared to the previous version.