

Carbosolv Gun Wash Thinners

Safety Data Sheet

Date of issue: 08/07/2015

Revision Date: 11/05/2022

Version 4

	LC50 >1400000 µg/l, 96h (Lepomis macrochirus) LC50 = 11130 mg/l, 96 static (Pimephales promelas) LC50 = 10000000 µg/l, 96h (Daphnia)		(Desmodesmus subspicatus)
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Component	Microtox	M-Factor
Isopropanol	=35390 mg/l EC50 Photobacterium phosphoreum 5 min	

Dichloromethane

Toxicity to fish

Flow-through test LC50 – Pimephales promelas (fathead minnow) – 193.00 mg/l – 96h
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates Static test LC50 – Daphnia magna (Water flea) – 27 mg/l – 48 h (US-EPA)

Toxicity to bacteria

Static test EC50 – activated sludge – 2,590 mg/l – 40 min (OECD Test Guideline 209)

12.2 Persistence and Degradability

Xylenes

Persistence and degradability	Persistence is unlikely
Biodegradation	Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants

Acetone

Persistence and degradability	Readily biodegradable
Biodegradation	90 % after 28 days

Toluene

Persistence	Persistence is unlike based on information available
Degradability	86% (20d)

Methanol

Persistence	Persistence is unlike based on information available
Degradability	DT50 ~ 17.2d >94% after 20d

Isopropanol / Isopropyl Alcohol

Persistence and degradability	Persistence is unlike based on information available
Biodegradation	Expected to be biodegradable

Dichloromethane

Biodegradability

Aerobic – Exposure time 28d
Result: 68% - Readily biodegradable
(OECD Test Guideline 301D)

12.3 Bioaccumulative Potential

Component	Log Pow	Bioconcentration factor (BCF)
Xylenes	3.15	0.5 - 15

Acetone

Log Pow	-0.23
Bioaccumulative potential	Low

Toluene

Log Pow	2.7
Bioconcentration Factor (BCF)	90

Methanol

Log Pow	-0.77 @ 20°C
Bioconcentration Factor (BCF)	<10

Isopropanol / Isopropyl Alcohol

Log Pow	0.05
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Dichloromethane

Bioaccumulation

Cyprinus carpio (Carp) – 6 weeks
- 250 µg/l (Dichloromethane)

Bioconcentration factor (BCF): 2 – 5.4
(OECD Test Guideline 305)

Cyprinus carpio (Carp) – 6 Weeks
- 25 µg/l (Dichloromethane)

Bioconcentration factor (BCF): 6 – 40
(OECD Test Guideline 305)

12.4 Mobility in Soil

Xylenes

Spillage unlikely to penetrate soil

The product is insoluble and float on water

Is not likely mobile in the environment due to its low water solubility

Acetone

Surface tension	23.3 mN/m
Ecology - soil	Product evaporates when in contact with the air

Toluene

Mobility in soil	This product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Spillage unlikely to penetrate soil This product is insoluble and floats on water Is likely mobile in the environment due to its low water solubility
Surface tension	27.73 mN/m at 25 °C

Methanol

Mobility in soil	This product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Disperses rapidly in air Is likely mobile in the environment due to its low water solubility
Surface tension	0.02255 N/m @ 20°C

Isopropanol / Isopropyl Alcohol

Mobility in soil	This product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Will like be mobile in the environment due to its volatility Disperses rapidly in air
Surface tension	22.7 mN/m at 20°C

Dichloromethane

No data available

12.5 Results of BPT and vPvB Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels 0.1% or higher

12.6 Endocrine Disrupting Properties

Endocrine disruptor information

This product does not contain any known or suspected endocrine disruptors

12.7 Other Adverse Effects

Persistent Organic Pollutant Ozone Depletion Potential

This product does not contain any known or suspected substance

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Waste from residues / unused products

Waste is classified as hazardous

Dispose of in accordance with European Directives on waste and hazardous waste

Dispose in accordance with local regulations

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EAC code	2YE
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Transport by sea
No data available
Air Transport
No data available

Inland Waterway Transport
No data available

Rail Transport
No data available

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Code: IBC No data available

SECTION 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations / Legislation Specific for the Substance or Mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

No REACH Annex XVII restrictions

Acetone is not on the REACH candidate list

Acetone is not on the REACH Annex XIV list

Acetone is not subject to Regulation (EU) No 649/2012 of the European Parliament and the Council of 4 July 2012 concerning the export and import of hazardous chemicals

Acetone is not subject to Regulation (EC) No 850/2004 of the European Parliament and the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

SECTION 16: Other Information

Abbreviations and acronyms

ADN	Europeans Agreement concerning the International Carriage of Dangerous Goods by inland waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by road
CLP	Classification labelling packaging regulation; Regulation (EC) No 1272/2008
DNEL	Derived No-effect level
DMEL	Derived minimal-effect level
LC50	Median lethal concentration
LD50	Median lethal dose
NOAEL	No-observed adverse effect level
IMDG	International maritime dangerous goods
IATA	International Air Transport Association
EC50	Median effective concentration
PNEC	Predicted No-effect concentration
PBT	Persistent Bioaccumulative toxic
REACH	Reach, Evaluation, Authorisation and Restriction of Chemicals (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by rail
SDS	Safety Data Sheet
vPvB	Very persistent and very bioaccumulative
STP	Sewage treatment plant

Data sources REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending regulation (EC) No 1907/2006

Full test of H and EUH Statements referred to under sections 2 and 3

Flam. Liq. (Category 2)	H225
Aspiration Toxicity (Category 1)	H304
Acute Dermal Tox (Category 4)	H312
Acute Inhalation Tox – vapours (Category 4)	H332
Skin corrosion/irritation (Category 2)	H315
Eye irritation (Category 2)	H319
STOT SE (Category 2)	H373
Chronic aquatic toxicity (Category 3)	H412
Reproductive toxicity (Category 2)	H361
Specific target organ toxicity – single exposure (Category 3) Narcosis	H336

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Specific target organ toxicity – repeated exposure (Category 2)
H373

H225
H304
H312+H332

HighlyFlammable liquid and vapour
May be fatal if swallowed and enters airways

H315
H319
H335
H361
H373
H412
H336
H373

Harmful in contact with skin or if inhaled
Causes skin irritation
Causes serious eye irritation
May cause respiratory irritation
Suspected of damaging fertility or the unborn child
May cause damage to organs through prolonged or repeated exposure
Harmful to aquatic life with long lasting effects
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure

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