Part Number: 0909GM1

SAFETY DATA SHEET STANDARD THINNER

According to EC Regulation 1907/2006/EC - revision 2015/830

Revision No. 2.1

Print Date 11/11/2016 **Creation Date** 02/02/2015 **Revision Date** 11/06/2016

SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product Name STANDARD THINNER
Product Code 0909GM1 (CLP)

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

Recommended use
Solvent degreaser.

1.3. Details of the supplier of the safety data sheet

NCH (UK) Ltd NCH House Springvale Avenue Bilston WV14 0QL Tel: 01902 510200
NCH Ireland Ltd. The Brewery Business Park, Ardee Road Dundalk, County Louth, Tel: 042 9395500
E-mail address technical_uk@nch.com
Website address www.ncheurope.com

1.4. Emergency telephone number

01902 510331 (available during Office Hours)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP/GHS) and its adaptations
Flammable liquid: Category 2
Aspiration hazard: Category 1
Skin irritation: Category 2
Eye irritation: Category 2
STOT- single exposure: Category 3
Reproductive toxicity: Category 2
STOT- repeated exposure: Category 2
H225 - Highly flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H361d - Suspected of damaging the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
EUH066 - Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP/GHS)
Contains TOLUENE & XYLENE & N-BUTYL ACETATE & BUTANONE.
Hazard pictograms



Signal word DANGER
Hazard Statements
H225 - Highly flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H361d - Suspected of damaging the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
EU classification for GHS template
EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary Statements
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P312 - Call a POISON CENTER or doctor if you feel unwell
P337 + P313 - If eye irritation persists: Get medical advice/attention
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331 - Do NOT induce vomiting
P260 - Do not breathe vapors.
P280 - Wear protective gloves/protective clothing/eye protection.
For industrial and institutional use only.
Keep out of reach of children.

2.3. Other hazards
No additional hazards identified.
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.

SECTION 3. COMPOSITION / INFORMATION OF INGREDIENTS

3.2 Mixture

Component	CAS-No.	EC No.	EU - REACH reg number	Weight percent	Classification	EU - GHS/CLP Classification	Notes
XYLENE	1330-20-7	215-535-7	01-2119539452-40	10 - < 20	R10 Xn; R20/21 Xi; R38	Acute Tox. 4 (H312) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Acute Tox. 4 (H332)	-
N-BUTYL ACETATE	123-86-4	204-658-1	01-2119485493-29	10 - < 20	R10 R66 R67	STOT SE 3 (H336) Flam. Liq. 3 (H226) (EUH066)	
ETHYL ACETATE	141-78-6	205-500-4	01-2119475103-46	10 - < 20	F; R11 Xi; R36 R66 R67	Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319) EUH066	
BUTANONE	78-93-3	201-159-0	01-2119457290-43	10 - < 20	F; R11 Xi; R36 R66 R67	(EUH066) Flam. Liq. 2 (H225) STOT SE 3 (H336) Eye Irrit. 2 (H319)	
TOLUENE	108-88-3	203-625-9	01-2119471310-51	10 - < 20	F; R11 Xi; R38 Xn; R48/20-65 Repr.Cat.3; R63 R67	Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336) STOT RE 2 (H373) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)	
N-PROPYL ACETATE	109-60-4	203-686-1	01-2119484620-39	5 - < 10	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	C
ETHANOL	64-17-5	200-578-6	01-2119457610-43	5 - < 10	F; R11	Flam. Liq. 2 (H225)	
ISOPROPYL ACETATE	108-21-4	203-561-1	01-2119537214-46	1 - < 3	F; R11 Xi; R36 R66 R67	Eye Irrit. 2 (H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	C
ACETONE	67-64-1	200-662-2	01-	1 - < 3	F; R11	Eye Irrit. 2	

			2119471330-49		Xi; R36 R66 R67	(H319) STOT SE 3 (H336) Flam. Liq. 2 (H225) (EUH066)	
ETHYLBENZENE	100-41-4	202-849-4	01- 2119539452-40	1 - < 3	F; R11 Xn; R20	Acute Tox. 4 (H332) Asp. Tox. 1 (H304) Flam. Liq. 2 (H225)	P

For any H statements and R phrases mentioned in this section, see the full text in section 16.

EU Notes

Note C - Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers.
Note P - The classification as a carcinogen or mutagen does not apply as the substance contains less than 0.1% w/w benzene

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice

If symptoms persist, call a physician. Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists.

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If you feel unwell, seek medical advice (show the label where possible).

Ingestion

Rinse mouth with water. Do NOT induce vomiting. Get medical attention immediately.

Inhalation

Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

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

Sensitisation

No information available.

Eye contact

May cause irritation as itching and redness.

Skin contact

May cause irritation as itching or redness.

Inhalation

Inhalation of mists may result in irritation to the respiratory tract. May cause headaches, dizziness, drowsiness and nausea.

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

Notes to physician

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use:. Dry powder. Alcohol-resistant foam. Carbon dioxide (CO2). Water spray.

Extinguishing media which must not be used for safety reasons

Water jet.

5.2. Special hazards arising from the substance or mixture

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.
Material can create slippery conditions. Extremely flammable. Keep product and empty container away from heat and sources of ignition.

5.3. Advice for firefighters

Firefighters should wear a self-contained breathing apparatus and full protective gear. Cool fire-exposed containers with water spray to prevent bursting.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Refer to protective measures listed in sections 7 and 8. Wear appropriate protective clothing. Use care as spills may be slippery. Shut off source of leak. Dike and contain spill. Absorb with an inert material and transfer all material into a properly labeled container for disposal. Prevent product from contaminating soil or from entering sewage and drainage systems and bodies of water. Flush area with water. Prevent further leakage or spillage if safe to do so. Ventilate the area. Remove all sources of ignition.

6.2. Environmental precautions
No special environmental precautions required.

6.3. Methods and material for containment and cleaning up
Methods for Containment
Contain spillage, soak up with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
Refer to sections 7, 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists. Do not eat, drink or smoke when using this product. Keep away from open flames, hot surfaces and sources of ignition. Ensure adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat and sources of ignition.

7.3. Specific end use(s)
No information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limits
If vapours, fumes or mists are generated, their concentration in the workplace area should be kept to the lowest reasonable level. For substances.

Component	European Union	The United Kingdom	France	Germany	Austria
XYLENE		STEL: 100 ppm STEL: 441 mg/m^3 TWA: 50 ppm TWA: 220 mg/m^3 Skin	TWA: 50 ppm TWA: 221 mg/m^3 TWA: 1000 mg/m^3 STEL: 100 ppm STEL: 442 mg/m^3 STEL: 1500 mg/m^3 Skin	AGW: 100ppm AGW: 440mg/m^3 Peak: 200ppm Peak: 880mg/m^3 TWA: 100ppm TWA: 440mg/m^3 Skin BGW: 1.5mg/L BGW: 2000mg/L	Skin STEL: 100 ppm STEL: 442 mg/m^3 TWA: 50 ppm TWA: 221 mg/m^3
N-BUTYL ACETATE		STEL: 200 ppm STEL: 966 mg/m^3 TWA: 150 ppm TWA: 724 mg/m^3	TWA: 150 ppm TWA: 710 mg/m^3 STEL: 200 ppm STEL: 940 mg/m^3	AGW: 62ppm AGW: 300mg/m^3 Peak: 200ppm Peak: 960mg/m^3 TWA: 100ppm TWA: 480mg/m^3	STEL: 100 ppm STEL: 480 mg/m^3 TWA: 100 ppm TWA: 480 mg/m^3 Ceiling: 100 ppm Ceiling: 480 mg/m^3
ETHYL ACETATE		STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 1400 mg/m^3	AGW: 400ppm AGW: 1500mg/m^3 Peak: 800ppm Peak: 3000mg/m^3 TWA: 400ppm TWA: 1500mg/m^3	STEL: 600 ppm STEL: 2100 mg/m^3 TWA: 300 ppm TWA: 1050 mg/m^3
BUTANONE		STEL: 300 ppm STEL: 899 mg/m^3 TWA: 200 ppm TWA: 600 mg/m^3 Skin	TWA: 200 ppm TWA: 600 mg/m^3 STEL: 300 ppm STEL: 900 mg/m^3 Skin	AGW: 200ppm AGW: 600mg/m^3 Peak: 200ppm Peak: 600mg/m^3 TWA: 200ppm TWA: 600mg/m^3 Skin BGW: 5mg/L	Skin STEL: 200 ppm STEL: 590 mg/m^3 TWA: 100 ppm TWA: 295 mg/m^3
TOLUENE	TWA: 50 ppm TWA: 192 mg/m^3 STEL: 100 ppm STEL: 384 mg/m^3 Skin	STEL: 100 ppm STEL: 384 mg/m^3 TWA: 50 ppm TWA: 191 mg/m^3 Skin	TWA: 20 ppm TWA: 76.8 mg/m^3 TWA: 1000 mg/m^3 STEL: 100 ppm STEL: 384 mg/m^3 STEL: 1500 mg/m^3	AGW: 50ppm AGW: 190mg/m^3 Peak: 200ppm Peak: 760mg/m^3 TWA: 50ppm TWA: 190mg/m^3	Skin STEL: 100 ppm STEL: 380 mg/m^3 TWA: 50 ppm TWA: 190 mg/m^3

			Skin	Skin BGW: 600µg/L BGW: 1.5mg/L	
N-PROPYL ACETATE		STEL: 250 ppm STEL: 1060 mg/m^3 TWA: 200 ppm TWA: 849 mg/m^3	TWA: 200 ppm TWA: 840 mg/m^3	Peak: 200ppm Peak: 840mg/m^3 TWA: 100ppm TWA: 420mg/m^3	STEL: 100 ppm STEL: 420 mg/m^3 TWA: 100 ppm TWA: 420 mg/m^3 Ceiling: 100 ppm Ceiling: 420 mg/m^3
ETHANOL		STEL: 3000 ppm STEL: 5760 mg/m^3 TWA: 1000 ppm TWA: 1920 mg/m^3	TWA: 1000 ppm TWA: 1900 mg/m^3 STEL: 5000 ppm STEL: 9500 mg/m^3	AGW: 500ppm AGW: 960mg/m^3 Peak: 1000ppm Peak: 1920mg/m^3 TWA: 500ppm TWA: 960mg/m^3	STEL: 2000 ppm STEL: 3800 mg/m^3 TWA: 1000 ppm TWA: 1900 mg/m^3
ISOPROPYL ACETATE		STEL: 200 ppm STEL: 849 mg/m^3	TWA: 250 ppm TWA: 950 mg/m^3 STEL: 300 ppm STEL: 1140 mg/m^3	Peak: 200ppm Peak: 840mg/m^3 TWA: 100ppm TWA: 420mg/m^3	STEL: 100 ppm STEL: 420 mg/m^3 TWA: 100 ppm TWA: 420 mg/m^3 Ceiling: 100 ppm Ceiling: 420 mg/m^3
ACETONE		STEL: 1500 ppm STEL: 3620 mg/m^3 TWA: 500 ppm TWA: 1210 mg/m^3	TWA: 500 ppm TWA: 1210 mg/m^3 STEL: 1000 ppm STEL: 2420 mg/m^3	AGW: 500ppm AGW: 1200mg/m^3 Peak: 1000ppm Peak: 2400mg/m^3 TWA: 500ppm TWA: 1200mg/m^3 BGW: 80mg/L	STEL: 2000 ppm STEL: 4800 mg/m^3 TWA: 500 ppm TWA: 1200 mg/m^3
ETHYLBENZENE		STEL: 125 ppm STEL: 552 mg/m^3 TWA: 100 ppm TWA: 441 mg/m^3 Skin	TWA: 20 ppm TWA: 88.4 mg/m^3 TWA: 1000 mg/m^3 STEL: 100 ppm STEL: 442 mg/m^3 STEL: 1500 mg/m^3 Skin	AGW: 20ppm AGW: 88mg/m^3 Peak: 40ppm Peak: 176mg/m^3 TWA: 20ppm TWA: 88mg/m^3 Skin BGW: 300mg/g	Skin STEL: 200 ppm STEL: 880 mg/m^3 TWA: 100 ppm TWA: 440 mg/m^3

Component	Spain	Portugal	Italy	The Netherlands	Switzerland
XYLENE	Skin STEL: 100 ppm STEL: 442 mg/m^3 TWA: 50 ppm TWA: 221 mg/m^3	STEL: 100 ppm STEL: 442 mg/m^3 TWA: 50 ppm TWA: 221 mg/m^3 Skin	TWA: 50 ppm TWA: 221 mg/m^3 STEL: 100 ppm STEL: 442 mg/m^3 Skin	Skin STEL: 442 mg/m^3 TWA: 210 mg/m^3	Skin STEL: 200 ppm STEL: 870 mg/m^3 TWA: 100 ppm TWA: 435 mg/m^3
N-BUTYL ACETATE	STEL: 200 ppm STEL: 965 mg/m^3 TVA: 150 ppm TWA: 724 mg/m^3	STEL: 200 ppm TWA: 150 ppm			STEL: 200 ppm STEL: 960 mg/m^3 TWA: 100 ppm TWA: 480 mg/m^3
ETHYL ACETATE	TWA: 400 ppm TWA: 1460 mg/m^3	TWA: 400 ppm			STEL: 800 ppm STEL: 2800 mg/m^3 TWA: 400 ppm TWA: 1400 mg/m^3
BUTANONE	STEL: 300 ppm STEL: 900 mg/m^3 TWA: 200 ppm TWA: 600 mg/m^3	STEL: 300 ppm STEL: 900 mg/m^3 TWA: 200 ppm TWA: 600 mg/m^3	TWA: 200 ppm TWA: 600 mg/m^3 STEL: 300 ppm STEL: 900 mg/m^3	Skin STEL: 900 mg/m^3 TWA: 590 mg/m^3	Skin STEL: 200 ppm STEL: 590 mg/m^3 TWA: 200 ppm TWA: 590 mg/m^3
TOLUENE	Skin STEL: 100 ppm STEL: 384 mg/m^3 TWA: 50 ppm TWA: 192 mg/m^3	STEL: 100 ppm STEL: 384 mg/m^3 TWA: 50 ppm TWA: 192 mg/m^3 Skin	TWA: 50 ppm TWA: 192 mg/m^3 Skin	STEL: 384 mg/m^3 TWA: 150 mg/m^3	Skin STEL: 200 ppm STEL: 760 mg/m^3 TWA: 50 ppm TWA: 190 mg/m^3
N-PROPYL ACETATE	STEL: 250 ppm STEL: 1060 mg/m^3 TWA: 200 ppm TWA: 849 mg/m^3	STEL: 250 ppm TWA: 200 ppm			STEL: 200 ppm STEL: 840 mg/m^3 TWA: 100 ppm TWA: 420 mg/m^3
ETHANOL	STEL: 1000 ppm	TWA: 1000 ppm		Skin	STEL: 1000 ppm

	STEL: 1910 mg/m^3			STEL: 1900 mg/m^3 TWA: 260 mg/m^3	STEL: 1920 mg/m^3 TWA: 500 ppm TWA: 960 mg/m^3
ISOPROPYL ACETATE	STEL: 200 ppm STEL: 850 mg/m^3 TWA: 100 ppm TWA: 425 mg/m^3	STEL: 200 ppm TWA: 100 ppm			STEL: 200 ppm STEL: 840 mg/m^3 TWA: 100 ppm TWA: 420 mg/m^3
ACETONE	TVA: 500 ppm TWA: 1210 mg/m^3	STEL: 750 ppm TWA: 500 ppm TWA: 1210 mg/m^3	TWA: 500 ppm TWA: 1210 mg/m^3	STEL: 2420 mg/m^3 TWA: 1210 mg/m^3	STEL: 1000 ppm STEL: 2400 mg/m^3 TWA: 500 ppm TWA: 1200 mg/m^3
ETHYLBENZENE	Skin STEL: 200 ppm STEL: 884 mg/m^3 TWA: 100 ppm TWA: 441 mg/m^3	STEL: 200 ppm STEL: 884 mg/m^3 TWA: 100 ppm TWA: 442 mg/m^3 Skin	TWA: 100 ppm TWA: 442 mg/m^3 STEL: 200 ppm STEL: 884 mg/m^3 Skin	Skin STEL: 430 mg/m^3 TWA: 215 mg/m^3	Skin STEL: 50 ppm STEL: 220 mg/m^3 TWA: 50 ppm TWA: 220 mg/m^3

Component	Denmark	Finland	Norway	Sweden	Czech
XYLENE	TWA: 25 ppm TWA: 109 mg/m^3 Skin	TWA: 50 ppm TWA: 220 mg/m^3 STEL: 100 ppm STEL: 440 mg/m^3 Skin	TWA: 25 ppm TWA: 108 mg/m^3 Skin	50 ppm 221 mg/m^3 100 ppm 442 mg/m^3	PEL: 200mg/m^3 NPK-P: 400mg/m^3
N-BUTYL ACETATE	TWA: 150 ppm TWA: 710 mg/m^3	TWA: 150 ppm TWA: 720 mg/m^3 STEL: 200 ppm STEL: 960 mg/m^3		100 ppm 500 mg/m^3 150 ppm 700 mg/m^3	PEL: 950mg/m^3 NPK-P: 1200mg/m^3
ETHYL ACETATE	TWA: 150 ppm TWA: 540 mg/m^3	TWA: 300 ppm TWA: 1100 mg/m^3 STEL: 500 ppm STEL: 1800 mg/m^3	TWA: 150 ppm TWA: 550 mg/m^3	150 ppm 500 mg/m^3 300 ppm 1100 mg/m^3	PEL: 700mg/m^3 NPK-P: 900mg/m^3
BUTANONE	TWA: 50 ppm TWA: 145 mg/m^3 Skin	STEL: 100 ppm STEL: 300 mg/m^3 Skin	TWA: 75 ppm TWA: 220 mg/m^3	50 ppm 150 mg/m^3 100 ppm 300 mg/m^3	PEL: 600mg/m^3 NPK-P: 900mg/m^3
TOLUENE	TWA: 25 ppm TWA: 94 mg/m^3 Skin	TWA: 25 ppm TWA: 81 mg/m^3 STEL: 100 ppm STEL: 380 mg/m^3 Skin	TWA: 25 ppm TWA: 94 mg/m^3 Skin	50 ppm 192 mg/m^3 100 ppm 384 mg/m^3	PEL: 200mg/m^3 NPK-P: 500mg/m^3
N-PROPYL ACETATE	TWA: 150 ppm TWA: 625 mg/m^3	TWA: 100 ppm TWA: 420 mg/m^3 STEL: 200 ppm STEL: 850 mg/m^3	TWA: 100 ppm TWA: 420 mg/m^3	100 ppm 400 mg/m^3 200 ppm 800 mg/m^3	PEL: 800mg/m^3 NPK-P: 1000mg/m^3
ETHANOL	TWA: 1000 ppm TWA: 1900 mg/m^3	TWA: 1000 ppm TWA: 1900 mg/m^3 STEL: 1300 ppm STEL: 2500 mg/m^3	TWA: 500 ppm TWA: 950 mg/m^3	500 ppm 1000 mg/m^3 1000 ppm 1900 mg/m^3	PEL: 1000mg/m^3 NPK-P: 3000mg/m^3
ISOPROPYL ACETATE	TWA: 150 ppm TWA: 625 mg/m^3	TWA: 100 ppm TWA: 420 mg/m^3 STEL: 200 ppm STEL: 850 mg/m^3	TWA: 100 ppm TWA: 420 mg/m^3		PEL: 800mg/m^3 NPK-P: 1000mg/m^3
ACETONE	TWA: 250 ppm TWA: 600 mg/m^3	TWA: 500 ppm TWA: 1200 mg/m^3 STEL: 630 ppm STEL: 1500 mg/m^3	TWA: 125 ppm TWA: 295 mg/m^3	250 ppm 600 mg/m^3 500 ppm 1200 mg/m^3	PEL: 800mg/m^3 NPK-P: 1500mg/m^3
ETHYLBENZENE	TWA: 50 ppm TWA: 217 mg/m^3 Skin	TWA: 50 ppm TWA: 220 mg/m^3 STEL: 200 ppm STEL: 880 mg/m^3 Skin	TWA: 5 ppm TWA: 20 mg/m^3 Skin	50 ppm 200 mg/m^3 100 ppm 450 mg/m^3	PEL: 200mg/m^3 NPK-P: 500mg/m^3

Component	Poland	Ireland
XYLENE	NDS: 100 mg/m^3	TWA: 50 ppm TWA: 221 mg/m^3

		STEL: 100 ppm STEL: 442 mg/m^3 Skin
N-BUTYL ACETATE	NDSCh: 950 mg/m^3 NDS: 200 mg/m^3	TWA: 150 ppm TWA: 710 mg/m^3 STEL: 200 ppm STEL: 950 mg/m^3
ETHYL ACETATE	NDSCh: 600 mg/m^3 NDS: 200 mg/m^3	TWA: 200 ppm STEL: 400 ppm
BUTANONE	NDSCh: 900 mg/m^3 NDS: 450 mg/m^3	TWA: 200 ppm TWA: 600 mg/m^3 STEL: 300 ppm STEL: 900 mg/m^3 Skin
TOLUENE	NDSCh: 200 mg/m^3 NDS: 100 mg/m^3	TWA: 50 ppm TWA: 192 mg/m^3 STEL: 384 mg/m^3 STEL: 100 ppm Skin
N-PROPYL ACETATE	NDSCh: 400 mg/m^3 NDS: 200 mg/m^3	TWA: 200 ppm TWA: 840 mg/m^3 STEL: 250 ppm STEL: 1050 mg/m^3
ETHANOL	NDS: 1900 mg/m^3	STEL: 1000 ppm
ISOPROPYL ACETATE	NDSCh: 1000 mg/m^3 NDS: 600 mg/m^3	TWA: 100 ppm STEL: 200 ppm
ACETONE	NDSCh: 1800 mg/m^3 NDS: 600 mg/m^3	TWA: 500 ppm TWA: 1210 mg/m^3
ETHYLBENZENE	NDSCh: 400 mg/m^3 NDS: 200 mg/m^3	TWA: 100 ppm TWA: 442 mg/m^3 STEL: 200 ppm STEL: 884 mg/m^3 Skin

8.2. Exposure controls

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Use personal protection equipment as per Directive 89/686/EEC.

Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Conforming to EN 141 (organic vapours). In case of inadequate ventilation wear respiratory protection.

Hand Protection

Wear suitable protective gloves conforming to EN 374. Type of gloves suggested :. Polyvinyl alcohol. Nitrile rubber (0.4 mm). Butyl rubber (0.7 mm). For break through times, refer to glove manufacturers recommendations.

Eye Protection

Safety glasses if the method of use presents the likelihood of eye contact. Approved to EN 166.

General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practise. Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Information below relates to typical values and does not constitute a specification.

Appearance	Colorless	**Specific Gravity**	0.815
Physical State	Liquid	**Solubility**	Insoluble in water
Odour	aromatic	**Autoignition Temperature**	No information available.
pH	Not applicable.	**Viscosity**	No information available
Melting Point/Range	No information available.	**Explosive properties**	No information available
Boiling Point/Range	No information available.	**Oxidizing Properties**	No information available.
Flash Point	4 °C	**VOC Content (%)**	100
Method	Closed cup		
Evaporation Rate	No information available.		
Flammability Limits in Air %	No information available.		
Vapour Pressure	No information available.		

Vapor Density No information available.

9.2. Other information
No other information available

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity
Not considered as highly reactive. See further information below.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
The mixture itself will not dangerously react or polymerise to create hazardous conditions in normal use.
10.4. Conditions to avoid
Keep away from open flames, hot surfaces, and sources of ignition.
10.5. Incompatible materials
Oxidising agents. Reducing agents. Strong acids. Strong bases.
10.6. Hazardous decomposition products
None under normal storage conditions and use.
When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and/or nitrogen oxide.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Product Information
The product itself has not been tested.

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
XYLENE	= 3500 mg/kg (Rat) = 4820 mg/kg (Rat)	> 2000 mg/kg (Rabbit) > 4350 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h
N-BUTYL ACETATE	= 14.13 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
ETHYL ACETATE	= 5620 mg/kg (Rat)	> 18000 mg/kg (Rabbit)	
BUTANONE	= 2483 mg/kg (Rat)	= 5000 mg/kg (Rabbit)	= 11700 ppm (Rat) 4 h
TOLUENE	= 2600 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	= 12.5 mg/L (Rat) 4 h
N-PROPYL ACETATE	= 8700 mg/kg (Rat)	> 20 mL/kg (Rabbit)	
ETHANOL			= 124.7 mg/L (Rat) 4 h
ISOPROPYL ACETATE	= 3000 mg/kg (Rat)	> 20 mL/kg (Rabbit)	= 50600 mg/m^3 (Rat) 8 h
ACETONE			= 50100 mg/m^3 (Rat) 8 h
ETHYLBENZENE	= 4820 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h

Sensitisation
No information available.
Skin contact
May cause irritation as itching or redness.
Inhalation
Inhalation of mists may result in irritation to the respiratory tract. May cause headaches, dizziness, drowsiness and nausea.
Eye contact
May cause irritation as itching and redness.
Carcinogenicity
There are no known carcinogenic substances in this product.
Mutagenic Effects
There are no known mutagenic substances in this product.
Reproductive Effects
Contains a substance with suspected reproductive effects based on animal studies.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity
Product Information
The product itself has not been tested.
Ecotoxicity effects
Contains substance(s) known to be hazardous to the aquatic environment.

Component	Toxicity to Fish	Water Flea	Toxicity to Algae
XYLENE	LC50 30.26-40.75 mg/L Poecilia reticulata 96 h LC50 = 13.4 mg/L Pimephales promelas 96 h LC50 = 19 mg/L Lepomis macrochirus 96 h LC50 = 780 mg/L Cyprinus carpio 96 h	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50	EC50 = 11 mg/L Pseudokirchneriella subcapitata 72 h

N-BUTYL ACETATE	LC50 17-19 mg/L Pimephales promelas 96 h LC50 = 100 mg/L Lepomis macrochirus 96 h LC50 = 62 mg/L Leuciscus idus 96 h		EC50 = 674.7 mg/L Desmodesmus subspicatus 72 h
ETHYL ACETATE	LC50 220 - 250 mg/L Pimephales promelas 96 h LC50 = 484 mg/L Oncorhynchus mykiss 96 h LC50 352 - 500 mg/L Oncorhynchus mykiss 96 h	560: 48 h Daphnia magna mg/L EC50 Static	
BUTANONE	LC50 3130 - 3320 mg/L Pimephales promelas 96 h	520: 48 h Daphnia magna mg/L EC50 5091: 48 h Daphnia magna mg/L EC50 4025 - 6440: 48 h Daphnia magna mg/L EC50 Static	
TOLUENE	LC50 15.22 - 19.05 mg/L Pimephales promelas 96 h LC50 = 12.6 mg/L Pimephales promelas 96 h LC50 5.89 - 7.81 mg/L Oncorhynchus mykiss 96 h LC50 14.1 - 17.16 mg/L Oncorhynchus mykiss 96 h LC50 = 5.8 mg/L Oncorhynchus mykiss 96 h LC50 11.0 - 15.0 mg/L Lepomis macrochirus 96 h LC50 = 54 mg/L Oryzias latipes 96 h LC50 = 28.2 mg/L Poecilia reticulata 96 h LC50 50.87 - 70.34 mg/L Poecilia reticulata 96 h	5.46 - 9.83: 48 h Daphnia magna mg/L EC50 Static 11.5: 48 h Daphnia magna mg/L EC50	EC50 > 433 mg/L Pseudokirchneriella subcapitata 96 h EC50 = 12.5 mg/L Pseudokirchneriella subcapitata 72 h
N-PROPYL ACETATE	LC50 56 - 64 mg/L Pimephales promelas 96 h		
ETHANOL	LC50 12.0 - 16.0 mL/L Oncorhynchus mykiss 96 h LC50 > 100 mg/L Pimephales promelas 96 h LC50 13400 - 15100 mg/L Pimephales promelas 96 h	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static	
ACETONE	LC50 4.74 - 6.33 mL/L Oncorhynchus mykiss 96 h LC50 6210 - 8120 mg/L Pimephales promelas 96 h LC50 = 8300 mg/L Lepomis macrochirus 96 h	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50	
ETHYLBENZENE	LC50 11.0-18.0 mg/L Oncorhynchus mykiss 96 h LC50 7.55-11 mg/L Pimephales promelas 96 h LC50 9.1-15.6 mg/L Pimephales promelas 96 h LC50 = 32 mg/L Lepomis macrochirus 96 h LC50 = 4.2 mg/L Oncorhynchus mykiss 96 h LC50 = 9.6 mg/L Poecilia reticulata 96 h	1.8 - 2.4: 48 h Daphnia magna mg/L EC50	EC50 = 11 mg/L Pseudokirchneriella subcapitata 72 h EC50 = 4.6 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 438 mg/L Pseudokirchneriella subcapitata 96 h EC50 2.6 - 11.3 mg/L Pseudokirchneriella subcapitata 72 h EC50 1.7 - 7.6 mg/L Pseudokirchneriella subcapitata 96 h

12.2. Persistence and degradability

Ecotoxicological properties are substance specific, i.e. bioaccumulation, persistence and degradability. The information is given, where available and appropriate, for substance(s) of the mixture.

12.3. Bioaccumulative potential

Bioaccumulation unlikely due to the high volatility of the product. Component information below.

Component	log Pow
XYLENE	3.15
N-BUTYL ACETATE	1.81
ETHYL ACETATE	0.6
BUTANONE	0.29
TOLUENE	2.65
ETHANOL	-0.32
ISOPROPYL ACETATE	1.03
ACETONE	-0.24
ETHYLBENZENE	3.118

12.4. Mobility in soil

The product is insoluble and floats on water. This preparation is volatile and will readily evaporate to the air if released into the environment.

12.5. Results of PBT and vPvB assessment
The components in this formulation do not meet the criteria for classification as PBT or vPvB. As defined under the regulation EC 1907/2006.
12.6. Other adverse effects
No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Waste from Residues / Unused Products
Dispose of in accordance with local regulations.
Contaminated Packaging
Do not expose to heat, flames, sparks or other sources of ignition. Do not pierce or burn, even after use. Empty containers should be taken for local recycling, recovery or waste disposal.
EWC waste disposal No
The following EWC/ AVV waste codes may be applicable:
08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances
16 03 05* organic wastes containing dangerous substances
Other Information
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific

SECTION 14. TRANSPORT INFORMATION

14.1, 14.2, 14.3, 14.4.
IMDG/IMO

UN-No	UN1263
Proper Shipping Name	Paint related material
Hazard Class	3
Packing Group	III
EmS	F-E, S-E

ADR / RID

UN-No	UN1263
Hazard Class	3
Packing Group	III
Classification Code	F1
Limited Quantity	5 L
Transport Cat. (Tunnel Restriction Code)	3 (D/E)

IATA/ICAO

UN-No	UN1263
Hazard Class	3
Packing Group	III
ERG Code	3L

14.5. Environmental hazards
The mixture is not environmentally hazardous for transport
14.6. Special precautions for user
No special precautions.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Packaged product, not typically transported in IBC's.
Additional information
Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This mixture was classified in compliance with EC Regulation 1272/2008 (CLP) and its adaptations.

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for this mixture by the supplier

SECTION 16. OTHER INFORMATION

Text of H statements mentioned in Section 3
H225 - Highly flammable liquid and vapour. H226 - Flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. H312 - Harmful in contact with skin. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H332 - Harmful if inhaled. H336 - May cause drowsiness or dizziness. H361d - Suspected of damageing the unborn child. H373 - May cause damage to organs through prolonged or repeated exposure. EUH066 - Repeated exposure may cause skin dryness or cracking.
Text of R phrases mentioned in Section 3
R10 - Flammable. R11 - Highly flammable. R20 - Harmful by inhalation. R36 - Irritating to eyes. R38 - Irritating to skin. R63 - Possible risk of harm to the unborn child. R65 - Harmful: may cause lung damage if swallowed. R66 - Repeated exposure may cause skin dryness or

cracking. R67 - Vapours may cause drowsiness and dizziness. R20/21 - Harmful by inhalation and in contact with skin. R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

On the basis of test data. H225 - Highly flammable liquid and vapour. H304 - May be fatal if swallowed and enters airways. Calculation method. H315 - Causes skin irritation. H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness. H361d - Suspected of damaging the unborn child. H373 - May cause damage to organs through prolonged or repeated exposure.

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Revision Summary

CLP update. SDS sections updated 2 15

Abbreviations

REACH: Registration Evaluation Authorisation Restriction of Chemicals
EU: European Union
EC: European community
EEC: European Economic Community
UN: United Nations
CAS: Chemical Abstracts Service
PBT: Persistent Bioaccumulative Toxic
vPvB: very Persistent very Bioaccumulative
LC50: Lethal concentration, 50 percent
LD50 : Lethal dose, 50 percent
EC50: Effective concentration, 50 percent
LogPow: LogP octanol/water
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Administrative order relating to substances hazardous to water - Germany)
WGK: Wassergefahrdungsklasse (Water Hazard Class - Germany).
AVV: Abfallverzeichnis-Verordnung (Waste Code - Germany)
ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European agreement governing the international carriage of dangerous goods by road)
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
RID: Reglement international concernant le transport des merchandises dangereuses par chemin der fer (Regulations concerning the International carriage of Dangerous goods by rail)
EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
ERG: Emergency Response Guidebook
IUCLID / RTECS International Uniform Chemical Information Database / Registry of Toxic Effects of Chemical Substances
GHS: Globally Harmonised System of classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
VOC: Volatile Organic Chemical
w/w: weight for weight
DMSO: Dimethyl sulphoxide
OECD: Organization for Economic Cooperation and Development
STEL: Short Term Exposure Limit
TWA: Time Weighted Average

Further Information

Component test results displayed in sections 11 and 12 are typically supplied by Chemadvisor and assembled from publicly available literature sources e.g. IUCLID / RTECS

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet