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NEO New Formulation

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

1.1. Product identifier

NEO New Formulation

UFI: 7XYM-JMA2-WA8G-UHR6; EH1R-7JE6-HMEQ-A51G;
HA2P-7U86-GAAE-VUS5

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

Use of the substance/mixture

Automotive care products

1.3. Details of the supplier of the safety data sheet

Company name: SCHOLL Concepts GmbH

Polish & Pad Manufaktur

Street: Maybachstrasse 7

Place: D-71686 Remseck

Telephone: +49 (0) 7141 29299 - 0

Telefax: +49 (0) 7141 29299 - 10

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Contact person: Labor

Internet: www.schollconcepts.com

1.4. Emergency telephone number: +49 (0) 89 19240 (Giftnotruf Technische Universität München)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Acute Tox. 4; H332

Skin Corr. 1B; H314

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

2-butoxyethanol

Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated

Hydrochloric acid 30-33%

Signal word: Danger



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Pictograms:



Hazard statements

- H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.

Precautionary statements

- P102 Keep out of reach of children.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P304+P312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315 Get immediate medical advice/attention.
P501 Dispose of waste according to applicable legislation.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

**NEO New Formulation****Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No. 1272/2008)			
111-76-2	2-butoxyethanol			25 - < 30 %
	203-905-0	603-014-00-0	01-2119475108-36	
	Acute Tox. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H331 H302 H315 H319			
102782-92-3	Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated			5 - < 10 %
	Skin Corr. 1B, Eye Dam. 1, Aquatic Chronic 3; H314 H318 H412			
7647-01-0	Hydrochloric acid 30-33%			1 - < 5 %
	231-595-7		01-2119484862-27	
	Met. Corr. 1, Skin Corr. 1A, STOT SE 3; H290 H314 H335			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
111-76-2	203-905-0	2-butoxyethanol	25 - < 30 %
		inhalation: ATE 3 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: ATE 1200 mg/kg	
7647-01-0	231-595-7	Hydrochloric acid 30-33%	1 - < 5 %
		inhalation: LC50 = 4701 ppm (gases) Skin Corr. 1A; H314: >= 25 - 100 Skin Corr. 1B; H314: >= 25 - < 25 Skin Corr. 1C; H314: >= 10 - < 25 Skin Irrit. 2; H315: >= 10 - < 10 Eye Dam. 1; H318: >= 10 - < 10 Eye Irrit. 2; H319: >= 10 - < 10 STOT SE 3; H335: >= 10 - 100	

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

IF exposed or concerned: Call a doctor. When in doubt or if symptoms are observed, get medical advice.

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.



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After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

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

No information available.

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

Foam. Dry extinguishing powder. Carbon dioxide (CO₂). Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, corrosive

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

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

Use only in well-ventilated areas. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Wash hands before breaks and after work. When using do not smoke. When using do not eat or drink. Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

No special fire protection measures are necessary. Only use the material in places where open light, fire and other flammable sources can be kept away. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames., maximum process temperature: 35°C

Advice on general occupational hygiene

Wear protective gloves/protective clothing. Remove contaminated, saturated clothing immediately. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. When using do not smoke. Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray.

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

Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

Do not store together with: Oxidising agent. Strong acid. Strong alkali.

Further information on storage conditions

Recommended storage temperature: 15-25°C

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
7647-01-0	Hydrogen chloride (gas and aerosol mists)	1	2		TWA (8 h)	WEL
		5	8		STEL (15 min)	WEL
57-55-6	Propane-1,2-diol, particulates	-	10		TWA (8 h)	WEL

**NEO New Formulation****Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol	urine	Post shift

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
111-76-2	2-butoxyethanol			
Worker DNEL, acute		inhalation	systemic	1091 mg/m ³
Consumer DNEL, long-term		inhalation	systemic	59 mg/m ³
Consumer DNEL, acute		inhalation	local	147 mg/m ³
Consumer DNEL, long-term		oral	systemic	6,3 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	98 mg/m ³
Worker DNEL, long-term		inhalation	local	246 mg/m ³
Consumer DNEL, acute		inhalation	systemic	426 mg/m ³
Consumer DNEL, acute		oral	systemic	26,7 mg/kg bw/day
57-55-6	propan-1,2-diol			
Consumer DNEL, long-term		inhalation	local	10 mg/m ³
Worker DNEL, long-term		inhalation	systemic	168 mg/m ³
Worker DNEL, long-term		inhalation	local	10 mg/m ³
Consumer DNEL, long-term		dermal	systemic	213 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	50 mg/m ³
Consumer DNEL, long-term		oral	systemic	85 mg/kg bw/day
7647-01-0	Hydrochloric acid 30-33%			
Consumer DNEL, acute		inhalation	local	15 mg/m ³
Worker DNEL, long-term		inhalation	local	8 mg/m ³
Consumer DNEL, long-term		inhalation	local	8 mg/m ³

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PNEC values

CAS No	Substance	
	Environmental compartment	Value
111-76-2	2-butoxyethanol	
	Freshwater	8,8 mg/l
	Marine water	0,88 mg/l
	Freshwater sediment	34,6 mg/kg
	Marine sediment	3,46 mg/kg
	Secondary poisoning	0,02 mg/kg
	Micro-organisms in sewage treatment plants (STP)	463 mg/l
	Soil	2,33 mg/kg
57-55-6	propan-1,2-diol	
	Freshwater	260 mg/l
	Marine water	26 mg/l
	Freshwater sediment	572 mg/kg
	Marine sediment	57,2 mg/kg
	Micro-organisms in sewage treatment plants (STP)	20000 mg/l
	Soil	50 mg/kg
7647-01-0	Hydrochloric acid 30-33%	
	Freshwater	0,036 mg/l
	Marine water	0,036 mg/l
	Soil	0,036 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Use only in well-ventilated areas. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye protection/face protection. Suitable eye protection: Eye glasses with side protection (EN 166)

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four



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control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Recommended glove articles : Dermatril P 743, Thickness of the glove material 0,2 mm, level 2 $\geq$ 30 min. (DIN EN 374)

Skin protection

Wear suitable protective clothing.

Respiratory protection

Warning! In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

No special environmental measures are necessary. Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	yellow	
Odour:	characteristic	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		100 °C
Flammability:		not applicable
		not applicable
Lower explosion limits:		1,1 vol. %
Upper explosion limits:		10,6 vol. %
Flash point:		>61 °C
Auto-ignition temperature:		240 °C
Decomposition temperature:		not determined
pH-Value (at 20 °C):		4,5
Viscosity / kinematic: (at 40 °C)		<20,5 mm ² /s
Water solubility: (at 20 °C)		completely miscible
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined
Vapour pressure: (at 20 °C)		1,2 hPa



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Vapour pressure: (at 50 °C)	5,3 hPa
Density (at 20 °C):	0,98 g/cm ³
Relative density:	not determined
Bulk density:	not applicable
Relative vapour density:	not determined

9.2. Other information

Other safety characteristics

Solvent content:	36,46 %
Viscosity / dynamic: (at 20 °C)	5 - 15 mPa·s

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

10.5. Incompatible materials

Strong acid. Strong alkali. Oxidising agent.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in CLP Regulation

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

Harmful if inhaled.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 12,500 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-butoxyethanol				
	oral	ATE 1200 mg/kg			
	dermal	LD50 >2000 mg/kg	Rat	ECHA	OECD 402
	inhalation vapour	ATE 3 mg/l			
7647-01-0	Hydrochloric acid 30-33%				
	inhalation gas	LC50 4701 ppm	Rat		

Irritation and corrosivity

Skin corrosion/irritation: Causes severe skin burns and eye damage.

Serious eye damage/eye irritation: Causes serious eye damage.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

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

Based on available data, the classification criteria are not met.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
111-76-2	2-butoxyethanol					
	Acute fish toxicity	LC50 mg/l	1474	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA OECD 203
	Acute algae toxicity	ErC50	720 mg/l	96 h	Pseudokirchneriella subcapitata	ECHA OECD 201
	Acute crustacea toxicity	EC50 mg/l	1800	48 h	Daphnia magna (Big water flea)	ECHA OECD 202
7647-01-0	Hydrochloric acid 30-33%					
	Acute fish toxicity	LC50 mg/l	11,5- 20,4	96 h	Lepomis macrochirus (Bluegill)	ECHA
	Acute crustacea toxicity	EL50 mg/l	240-260	48 h		GESTIS

12.2. Persistence and degradability

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
111-76-2	2-butoxyethanol			
	OECD 301B	90,4%	28	ECHA
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol	0,81

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.



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Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

This material and its container must be disposed of as hazardous waste. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (aminofunctional siloxane)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Classification code: C9
Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number or ID number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S. (aminofunctional siloxane)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



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Classification code: C9
Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number or ID number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S.(Aminosiloxane)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: 223, 274
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-B
Segregation group: alkalis

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1760
14.2. UN proper shipping name: CORROSIVE LIQUID, N.O.S.(Aminosiloxane)
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: A3 A803
Limited quantity Passenger: 1 L
Passenger LQ: Y841
Excepted quantity: E1
IATA-packing instructions - Passenger: 852
IATA-max. quantity - Passenger: 5 L
IATA-packing instructions - Cargo: 856
IATA-max. quantity - Cargo: 60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Warning: strongly corrosive.



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14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Additional information

To follow: 850/2004/EC , 79/117/EEC , 689/2008/EC

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D):

2 - obviously hazardous to water

Substance/product listed in the following inventories

EU / Schweiz	yes
Taiwan	unknown
New Zealand	yes
USA	yes
Canada	yes
Australia	yes
Japan	yes
China	yes
Korea	yes
Philippines	yes

15.2. Chemical safety assessment

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

SECTION 16: Other information



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Abbreviations and acronyms

Met. Corr: Corrosive to metals
Acute Tox: Acute toxicity
Skin Corr: Skin corrosion
Skin Irrit: Skin irritation
Eye Dam: Eye damage
Eye Irrit: Eye irritation
STOT SE: Specific target organ toxicity - single exposure
Aquatic Chronic: Chronic aquatic hazard
ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized 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
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H332	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.



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Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
1	Formulation or re-packing	F	-	-	8a, 9	2	-	-	
2	Automotive care products, Industrial uses	IS	-	-	7, 10, 17	4	-	-	
3	Automotive care products, Professional uses	PW	-	-	10, 11, 17	8a	-	-	
4	Automotive care products, Consumer use	C	-	31	-	8a	-	-	

LCS: Life cycle stages

PC: Product categories

ERC: Environmental release categories

TF: Technical functions

SU: Sectors of use

PROC: Process categories

AC: Article categories

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

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