

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

- **1.1 Product identifier**
- **Trade name:** *Schnitt- und Absatzfarbe black*
- **Article number:** 743 040 02
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** *Textile printing*
- **Application of the substance / the mixture**
Paint
Lacquer
Restricted to professional users.
- **Uses advised against**
Tattoo
Textile printing
Not suitable for use in homemaker (DIY) applications.
- **1.3 Details of the supplier of the safety data sheet**
Manufacturer/Supplier:
Götz Service GmbH
Zillenhardtstr. 2/2
73037 Göppingen
Tel.: +49 (0)7161 6102-0
Fax.: +49 (0)7161 6102-990
- **Informing department:**
Tel.: +49 (0)7161-6102520
- **1.4 Emergency telephone number:**
Giftnotruf München Tel.(24h): +49 (0)89/19240 (english)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The substance is not classified as hazardous to health or environment, according to the CLP regulation.
The product is not classified, according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** *Void*
- **Hazard pictograms** *Void*
- **Signal word** *Void*
- **Hazard statements** *Void*
- **Precautionary statements**
P501 Dispose of contents / container in accordance with local / regional / national / international regulations.
- **Additional information:**
Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

SECTION 3: Composition/information on ingredients

3.2 Mixtures

CAS: 7732-18-5
EINECS: 231-791-2

water, distilled, conductivity or of similar purity

50-100%

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	acrylic polymere	(Contd. of page 1) 10-25%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435-35	1-methoxypropan-2-ol ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	胎2.5-<10%

· **Description:** Lacquer on the basis of fillers, resins and other components.

· **Dangerous components:**

CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435-35	1-methoxypropan-2-ol ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	胎2.5-<10%
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· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information**

Instantly remove any clothing soiled by the product.

Personal protection for the First Aider.

Take affected persons out of danger area and instruct to lie down.

No special measures required.

Take off contaminated clothing and wash it before reuse.

Seek medical treatment.

· **After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

Consult a doctor in the event of a skin reaction.

If skin irritation continues, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing**

If swallowed, rinse mouth with water (only if the person is conscious).

Seek medical treatment.

A person vomiting while lying on their back should be turned onto their side.

Never give anything by mouth to an unconscious person.

· **4.2 Most important symptoms and effects, both acute and delayed** Gastric or intestinal trouble

· **Information for doctor** treat symptomatically

· **Danger** Danger of impaired breathing.

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

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents**

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

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

Can be released in case of fire

Carbon monoxide and carbon dioxide

· **5.3 Advice for firefighters**

· **Protective equipment:** Put on breathing apparatus.

· **Additional information**

Collect contaminated fire fighting water separately. It must not enter drains.

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Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid contact with the eyes and skin.

- **6.2 Environmental precautions:**

Prevent from spreading (e.g. by damming-in or oil barriers).

Do not allow to enter drainage system, surface or ground water.

Do not allow to enter the ground/soil.

Inform respective authorities in case product reaches water or sewage system.

If material reaches soil inform authorities responsible for such cases.

- **6.3 Methods and material for containment and cleaning up:**

Stop leak if you can do so without risk.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Contain larger amounts and pump up into suitable containers.

Dispose of the material collected according to regulations.

- **6.4 Reference to other sections**

No dangerous materials are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Do not eat, drink or smoke while working.

The usual precautionary measures should be adhered to general rules for handling chemicals.

Store in cool, dry place in tightly closed containers.

Use solvent-proof equipment.

Ensure good ventilation/exhaustion at the workplace.

Do not inhale gases / fumes / aerosols.

Avoid contact with skin.

- **Information about protection against explosions and fires: No special measures required.**

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and containers:**

Provide floor trough without outlet.

Prevent any penetration into the ground.

Store only in the original container.

Unsuitable material for container:

copper

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidising agents.

- **Further information about storage conditions:**

Keep container tightly sealed.

Store in a cool place. Heat will increase pressure and may lead to the container exploding.

Protect from frost.

This product is hygroscopic.

Store in a cool place.

- **Recommended storage temperature: 5 - 30°C**

- **7.3 Specific end use(s) No further relevant information available.**

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems: No further data; see item 7.**

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· 8.1 Control parameters**· Components with limit values that require monitoring at the workplace:****107-98-2 1-methoxypropan-2-ol (≥ 2.5 - $<10\%$)**

WEL (Great Britain)	Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin
IOELV (European Union)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin
STEL / TWA (ELV) (EU)	Short-term value: 568 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Skin

1336-21-6 ammonia, aqueous solution (≥ 0.1 - $\leq 0.2\%$)

STEL (European Union)	Short-term value: 28 (15min.) mg/m ³
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· DNELs**107-98-2 1-methoxypropan-2-ol**

Oral	short-term, systemic effects	mg/kg bw/day (consumer) no data available
Dermal	long-term, systemic effects	3.3 mg/kg bw/day (consumer)
	short-term, local effects	mg/kg bw/day (consumer) no data available mg/kg bw/day (worker) no data available
	short-term, systemic effects	mg/kg bw/day (consumer) no data available mg/kg bw/day (worker) no data available
	long-term, local effects	mg/kg bw/day (worker) no data available
Inhalative	long-term, systemic effects	18.1 mg/kg bw/day (consumer) 50.6 mg/kg bw/day (worker)
	short-term, local effects	553.5 mg/m ³ (worker)
	short-term, systemic effects	mg/m ³ (consumer) mg/m ³ (worker) no data available
	long-term, local effects	mg/m ³ (consumer) no data available mg/m ³ (worker) no data available
	long-term, systemic effects	43.9 mg/m ³ (consumer) 369 mg/m ³ (worker)

· PNECs**107-98-2 1-methoxypropan-2-ol**

PNEC (Predicted No Effect Concentration)	100 mg/l (sewage treatment plant) 1 mg/l (marine water) 10 mg/l (fresh water) 100 mg/l (intermittent release)
PNEC (Predicted No Effect Concentration)	2.47 mg/kg (soil (dry matter)) 5.2 mg/kg (marine sediment (dry matter)) 52.3 mg/kg (fresh water sediment (dry matter))

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· Additional information:*The lists that were valid during the compilation were used as basis.**Note: Information about recommended monitoring procedures can be obtained from the relevant agency(ies)/ institute(s): for the United Kingdom: UK Health and Safety Executive (HSE)***· 8.2 Exposure controls****· Personal protective equipment****· General protective and hygienic measures***The usual precautionary measures should be adhered to general rules for handling chemicals.**Wash hands during breaks and at the end of the work.**Do not eat, drink or smoke while working.**Avoid contact with the eyes and skin.**Do not inhale gases / fumes / aerosols.**Avoid close or long term contact with the skin.***· Breathing equipment:***Not necessary if room is well-ventilated.**Filter A/P2.***· Protection of hands:***Protective gloves.**To avoid skin problems reduce the wearing of gloves to the required minimum.**Check protective gloves prior to each use for their proper condition.**The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.**After use of gloves apply skin-cleaning agents and skin cosmetics.***· Material of gloves***Nitrile rubber, NBR**Recommended thickness of the material: >0,5 mm**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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.***· Penetration time of glove material***The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.***· As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR****· Not suitable are gloves made of the following materials:***Strong gloves**Leather gloves***· Eye protection:** Recommendation: protective goggles**· Body protection:** Protective work clothing.**· Limitation and supervision of exposure into the environment***Do not allow to enter drainage system, surface or ground water.**Do not allow to enter the ground/soil.**Prevent from spreading (e.g. by damming-in or oil barriers).***SECTION 9: Physical and chemical properties****· 9.1 Information on basic physical and chemical properties****· General Information****· Appearance:****Form:** Fluid**Colour:** Black**· Odour:** Ether-like**· Odour threshold:** Not determined.**· pH-value:** Not determined.**· Change in condition****Melting point/freezing point:** ~ 0°C
(water)

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Initial boiling point and boiling range: 100 °C (water)	
· Flash point:	Not determined
· Ignition temperature:	270 °C
· Decomposition temperature:	Not determined.
· Self-inflammability:	No self ignition was observed up to the specified temperature.
· Explosive properties:	Product is not explosive.
· Critical values for explosion:	
Lower:	2.3 Vol %
Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa (water)
· Density at 20 °C	1.05 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic at 20 °C:	15 s (DIN 53211/4)
· Solvent content:	
Organic solvents:	10.0 %
· VOC (EU):	105.0 g/l
· Water:	61.5 %
· Solids content:	28.5 %
· 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:**
Protect from frost.
Protect from heat and direct sunlight.
- **10.3 Possibility of hazardous reactions**
Reacts with acids, alkalis and oxidizing agents
Reacts with acid chlorides
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**
oxidizing agents
acids
- **10.6 Hazardous decomposition products:**
No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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- **LD/LC50 values that are relevant for classification:**
Based on available data, the classification criteria are not met.

107-98-2 1-methoxypropan-2-ol		
Oral	LD ₅₀ Acute toxicity:	4,016 mg/kg (rat)
Dermal	LD ₅₀ Acute toxicity, dermal:	>2,000 mg/kg (canine) Repeated exposure to the skin may cause resorption of harmful doses.
Inhalative	LC ₅₀ (4 h) Acute toxicity, inhalative:	37-54.6 mg/l (rat)
	LC ₅₀ Acute toxicity, inhalative:	25.8 mg/l (rat) (6 h)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

· Serious eye damage/irritation		
107-98-2 1-methoxypropan-2-ol		
Irritation of eyes	+	pos. (canine)

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

- **Respiratory or skin sensitisation**
No sensitizing effect known.

107-98-2 1-methoxypropan-2-ol		
Sensitization	-	neg. (guinea pig)

- **Additional toxicological information:**
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Danger by skin resorption.
- **Acute effects (acute toxicity, irritation and corrosivity)** May cause respiratory irritation.
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

·		
107-98-2 1-methoxypropan-2-ol		
Ames test		(bacteria, not defined)

- **Developmental toxicity (teratogenicity)** No data available concerning teratogenic effects.
- **Germ cell mutagenicity** No data available concerning mutagenic effects.
- **Carcinogenicity** No data available concerning carcinogenic effects.
- **Reproductive toxicity** No data available concerning reproduction toxicity.
- **STOT-single exposure** The available information is not sufficient for evaluation.
- **STOT-repeated exposure** The available information is not sufficient for evaluation.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:		
107-98-2 1-methoxypropan-2-ol		
EC ₅₀ -Toxicity for daphnia (static)		>21,100 mg/l (daphnia (<i>Daphnia magna</i>)) (48 h)
EC ₅₀ -Bacterial toxicity(respiration inhibition)		>1,000 mg/l (activated sludge)
EC ₅₀ -Bacterial toxicity		>1,000 mg/l (<i>Pseudomonas putida</i>) (7 d)
LC ₅₀ -Fish toxicity (static)		6,812 mg/l (ide (<i>Leuciscus idus</i>)) (96 h)

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<i>EC₅₀-Toxicity for algae (static)</i>	$\geq 1,000$ mg/l (rainbow trout (<i>Oncorhynchus mykiss</i>)) (semistatic) (96 h) 20,800 mg/l (fathead minnow (<i>Pimephales promelas</i>)) (96 h)
<i>Toxicity for algae</i>	$>1,000$ mg/l (<i>Pseudokirchneriella subcapitata</i>) (reduction of growth rate) (7 d) $>1,000$ mg/l (green algae (<i>Selenastrum capricornutum</i>)) (7 d)
<i>LC₅₀-Toxicity for daphnia (static)</i>	$>1,000$ mg/l (<i>Pseudokirchneriella subcapitata</i>) (168 h) 21,100-25,900 mg/l (daphnia (<i>Daphnia magna</i>)) (immobilisation) (48 h)

· **12.2 Persistence and degradability** The product is partially biodegradable. Significant residuals remain.

· **Degree of elimination:**

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

Biodegradability 96 % (28 days) (OECD 301 E)

· **12.3 Bioaccumulative potential** No further relevant information available.

· **Behaviour in environmental systems:** Fully miscible

· **Bioconcentration factor (BCF):**

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

Bioconcentration factor (BCF): <100

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**

Contains no adsorbable organically bound halogens (AOX)

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Avoid transfer into the environment.

Do not allow product to reach ground water, water bodies or sewage system.

· **12.6 Other adverse effects** No further relevant information available.

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SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

None disposal into waste water.

· **Waste disposal key number:**

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

· **European waste catalogue**

08 01 12

Waste generated from production, formulation, application and removal of paints and varnishes - waste paint and varnish other than those mentioned in 08 01 11.

Please check the waste code from the origin in your company.

NOTE: These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use. Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper waste disposal code(s).

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- **Uncleaned packagings:**
- **Recommendation:**
Disposal must be made according to official regulations.
Packaging can be reused or recycled after cleaning.
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- | | |
|---|--------------------|
| · 14.1 UN-Number
· ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name
· ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | Void |
| · 14.4 Packing group
· ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards:
· Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Limited quantities (LQ) | - |
| · Excepted quantities (EQ) | NOT SUBJECT TO ADR |
| · Transport category | - |
| · Tunnel restriction code | - |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 40
- **National regulations**
- **Information about limitation of use:**
Employment restrictions concerning pregnant and lactating women must be observed.
- **Technical instructions (air):**

Class	Share in %
Wasser	50-100
NK	2.5- <10

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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· **Other regulations, limitations and prohibitive regulations**

TRGS 400 "Risk assessment for activities involving hazardous substances"

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

· **15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

· **Department issuing data specification sheet:**

· **Contact:**

Monday - Friday 9 a.m. - 4 p.m.,

Tel.: +49 7161 6102520

Fax.: +49 7161 6102990

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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 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)

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

DNEL: Derived No-Effect Level (REACH)

bw: bodyweight

Langz., Langzeit: chronical exposure,

akut: acute (exposure)

lokal: local effects

system., systemisch: systemic effects

PNEC (Predicted No-Effect Concentration)

LC₅₀: lethal concentration for 50 percent of the animals or plants used for testing

LD₅₀: lethal dose for 50 percent of the animals used for testing

LD₀: lethal concentration for 0 percent

LD₀: lethal dose for 0 percent

nb / n.b.: not determined

gamete mutagenic.: gamete/germ cell mutagenicity

carcinogen.: carcinogenicity

theoret. O₂-Bedarf: theoretical oxygen demand

AOX: adsorbable organically bound halogens

TRGS: technische Regeln für Gefahrstoffe (technical rules for dealing with dangerous substances)

Merkblatt BG-Chemie: datasheet of the "Berufsgenossenschaft Rohstoffe und chemische Industrie" (former: "Berufsgenossenschaft Chemie") (German insurance in case of accidents at work)

Langz., Langzeit: Long-term exposure

akut: Acute / short-term exposure

systemisch: systemic

lokal: local

n.a.: not applicable

(derived fr. data f. similar substances, intern. rep.) = derived from data from tests with similar substances, internal reports, not published

Vert.koeff.Bod./Wass = Partition Coefficient soil / water

n.v.: not available

Susp.: suspension

H: the product is skin-resorbing

Algentoxizität: toxicity for algae

Bakterientoxizität: toxicity for bacteria

Daphnientoxizität: toxicity for Daphnia

Fischtoxizität: toxicity for fishes

biologische Abbaubarkeit: Biodegradation

DOC: dissolved organic carbon

Halbwertszeit: half-life

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*DIN: Norm des Deutschen Instituts für Normung = standard of the German Institute for Standardization**EN: Europäische Norm = standard of the European Committee for Standardization (CEN)**OECD: OECD Test Guideline**pos. : positive**neg. : negative**inh., inhal. : inhalative**NOEC (No Observed Effect Concentration),**NOEL (No Observed Effect Level),**NOAEL (No Observed Adverse Effect Level): denotes the level of exposure of an organism at which there is no effect in the exposed population.**NOELR (No-Observed-Effect-Loading Rate)**ATE (Acute Toxicity Estimates)**Flam. Liq. 3: Flammable liquids – Category 3**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3***. * Data compared to the previous version altered.**