Derwent Academy Twin-Tip Markers - Chisel, 8CT

Safety Data Sheet

*** DRAFT ***

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

1.1. Product identifier

Product form : Mixture

Product name : Derwent Academy Twin-Tip Markers - Chisel, 8CT

Product code : 98208

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

1.2.1. Relevant identified uses

No additional information available

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ACCO Brands
Four Corporate Drive
Lake Zurich, IL
60047

Phone: 800-222-6462

1.4. Emergency telephone number

Emergency number : Rocky Mountain Poison + Drug center Phone number are (877)740-5015 (US Toll Free) and (303) 739-1110 (Outside US)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	: +353 1 8379964	
United Kingdom	National Poisons Information Service (NHS Direct)	http://www.npis.org	111 (England & Wales only) or 112 (EU) or 08454 24 24 24 (Scotland)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanol substance with national workplace exposure limit(s) (AT, BE, BG, CZ, DE, DK, ES, FI, FR, GB, GR, HU, IE, LT, LV, NL, PL, PT, RO, SE, SK)	(CAS-No.) 64-17-5 (EC-No.) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43-XXXX	50 - 80	Flam. Liq. 2, H225
1-methoxy-2-propanol, monopropylene glycol methyl ether	(CAS-No.) 107-98-2 (EC-No.) 203-539-1 (EC Index-No.) 603-064-00-3 (REACH-no) 01-2119457435-35-XXXX	15 - 30	Flam. Liq. 3, H226 STOT SE 3, H336
Black	(CAS-No.) 61901-87-9	< 15	Resp. Sens. 1, H334 Skin Sens. 1, H317
colophony, rosin	(CAS-No.) 8050-09-7 (EC-No.) 232-475-7 (EC Index-No.) 650-015-00-7	5 - 15	Skin Sens. 1, H317
Bright Yellow	(CAS-No.) 6358-36-7 (EC-No.) 228-770-5	< 5	Eye Dam. 1, H318 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

No additional 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 : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

colophony, rosin (8050-09-7)		
France	VME (mg/m³)	0,1 mg/m³ (Colophane (produits de décomposition des baguettes de soudure, exprimés en aldéhyde formique); France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
United Kingdom	WEL TWA (mg/m³)	0,05 mg/m³ Rosin-based solder flux fume; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m³)	0,15 mg/m³ Rosin-based solder flux fume; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
EU	Local name	1-Methoxypropanol-2
EU	IOELV TWA (mg/m³)	375 mg/m³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m³)	568 mg/m³
EU	IOELV STEL (ppm)	150 ppm
EU	Notes	Skin
Austria	Local name	1-Methoxypropanol-2
Austria	MAK (mg/m³)	187 mg/m³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m³)	187 mg/m³
Austria	MAK Short time value (ppm)	50 ppm
Austria	Remark (AT)	H
Belgium	Local name	1-Méthoxy-2-propanol # 1-Methoxy-2-propanol
Belgium	Limit value (mg/m³)	375 mg/m³
Belgium	Limit value (ppm)	100 ppm
Belgium	Short time value (mg/m³)	568 mg/m³
Belgium	Short time value (ppm)	150 ppm
Belgium	Remark (BE)	D: La mention D signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # De vermelding D betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
Bulgaria	Local name	1-Метоксипропан-2-ол
Bulgaria	OEL TWA (mg/m³)	375 mg/m³
Bulgaria	OEL TWA (ppm)	100 ppm
Bulgaria	OEL STEL (mg/m³)	568 mg/m³
Bulgaria	OEL STEL (ppm)	150 ppm
Bulgaria	Notes	Кожа (възможна е значителна резорбция чрез кожата); • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)
Croatia	Local name	1-Metoksi-2-propanol; (monopropilen-glikol metil-eter)
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	375 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	568 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	150 ppm

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
Croatia	Naznake (HR)	K (Skin): (naznaka da tvar može štetno djelovati kroz kožu); EU* (naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 2000/39/ EC (prva lista))
Czech Republic	Local name	1-Methoxy-2-propanol
Czech Republic	Expoziční limity (PEL) (mg/m³)	270 mg/m³
Czech Republic	Expoziční limity (PEL) (ppm)	73,2 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	550 mg/m³
Czech Republic	Expoziční limity (NPK-P) (ppm)	149,1 ppm
Czech Republic	Remark (CZ)	D
Denmark	Local name	1-Methoxy-2-propanol (Propylenglycolmonomethylether)
Denmark	Grænseværdie (langvarig) (mg/m³)	185 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Denmark	Anmærkninger (DK)	E (betyder, at stoffet har en EF-grænseværdi)
Finland	Local name	1-Metoksi-2-propanoli
Finland	HTP-arvo (8h) (mg/m³)	370 mg/m³
Finland	HTP-arvo (8h) (ppm)	100 ppm
Finland	HTP-arvo (15 min)	560 mg/m³
Finland	HTP-arvo (15 min) (ppm)	150 ppm
Finland	Huomautus (FI)	iho
France	Local name	Ether méthylique du propylène-glycol (1-Méthoxy-2-propanol)
France	VME (mg/m³)	188 mg/m³
France	VME (ppm)	50 ppm
France	VLE (mg/m³)	375 mg/m³
France	VLE (ppm)	100 ppm
France	Note (FR)	Valeurs règlementaires contraignantes; risque de pénétration percutanée
Germany	Local name	1-Methoxy-2-propanol
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	370 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	100 ppm
Germany	Remark (TRGS 900)	DFG,EU,Y
Greece	OEL TWA (mg/m³)	360 mg/m³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m³)	1080 mg/m³
Greece	OEL STEL (ppm)	300 ppm
Hungary	Local name	1-METOXIPROPÁN-2-OL
Hungary	AK-érték	375 mg/m³
Hungary	CK-érték	568 mg/m³
Hungary	Megjegyzések (HU)	b; EU1
Ireland	Local name	Propylene glycol monomethyl ether
Ireland	OEL (8 hours ref) (mg/m³)	375 mg/m³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m3)	568 mg/m³
Ireland	OEL (15 min ref) (ppm)	150 ppm
Ireland	Notes (IE)	IOELV
Italy	Local name	Metossipropanolo-2,1-
Italy	OEL TWA (mg/m³)	375 mg/m³
Italy	OEL TWA (ppm)	100 ppm
Italy	OEL STEL (mg/m³)	568 mg/m³
Italy	OEL STEL (ppm)	150 ppm

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
Latvia	Local name	1-Metoksi-2-propanols (propilēnglikola monometilēteris, monopropilēnglikolmetilēteris)
Latvia	OEL TWA (mg/m³)	375 mg/m³
Latvia	OEL TWA (ppm)	100 ppm
Latvia	OEL STEL (mg/m³)	568 mg/m³
Latvia	OEL STEL (ppm)	150 ppm
Lithuania	Local name	1-metoksipropanolis-2 (propilenglikolio monometileteris, PGME)
Lithuania	IPRV (mg/m³)	190 mg/m³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m³)	300 mg/m³
Lithuania	TPRV (ppm)	75 ppm
Luxembourg	Local name	1-Méthoxypropane-2-ol
Luxembourg	OEL TWA (mg/m³)	375 mg/m³
Luxembourg	OEL TWA (ppm)	100 ppm
Luxembourg	OEL STEL (mg/m³)	568 mg/m³
Luxembourg	OEL STEL (ppm)	150 ppm
Malta	Local name	1-Methoxypropanol-2
Malta	OEL TWA (mg/m³)	375 mg/m³
Malta	OEL TWA (ppm)	100 ppm
Malta	OEL STEL (mg/m³)	568 mg/m³
Malta	OEL STEL (ppm)	150 ppm
Netherlands	Local name	1-Methoxy-2-propanol
Netherlands	Grenswaarde TGG 8H (mg/m³)	375 mg/m³
Netherlands	Grenswaarde TGG 8H (ppm)	100 ppm (1-Methoxy-2-propanol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	563 mg/m³
Netherlands	Grenswaarde TGG 15MIN (ppm)	150 ppm (1-Methoxy-2-propanol; Netherlands; Short time value; Public occupational exposure limit value)
Netherlands	Remark (MAC)	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een Haanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Poland	Local name	1-Metoksypropan-2-ol
Poland	NDS (mg/m³)	180 mg/m³
Poland	NDSCh (mg/m³)	360 mg/m³
Portugal	Local name	1-Metoxi-2-propanol (PGME)
Portugal	OEL TWA (ppm)	50 ppm
Portugal	OEL STEL (ppm)	100 ppm
Romania	Local name	l-Metoxipropan 2-ol
Romania	OEL TWA (mg/m³)	375 mg/m³
Romania	OEL TWA (ppm)	100 ppm
Romania	OEL STEL (mg/m³)	568 mg/m³
Romania	OEL STEL (ppm)	150 ppm
Slovakia	Local name	1-Metoxypropán-2-ol (propylénglykolmonometyléter)
Slovakia	NPHV (priemerná) (mg/m³)	375 mg/m³
Slovakia	NPHV (priemerná) (ppm)	100 ppm
Slovakia	OEL STEL (mg/m³)	568 mg/m³
Slovakia	OEL STEL (ppm)	150 ppm
Slovakia	Upozornenie (SK)	K - znamená, že faktor môže byť ľahko absorbovaný kožou

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
Slovenia	Local name	1-metoksi-2-propanol (propilenglikolmonometil eter)
Slovenia	OEL TWA (mg/m³)	375 mg/m³
Slovenia	OEL TWA (ppm)	100 ppm
Slovenia	OEL STEL (mg/m³)	562,5 mg/m³
Slovenia	OEL STEL (ppm)	150 ppm
Spain	Local name	1-Metoxipropan-2-ol (Éter 1-metílico de propilenglicol)
Spain	VLA-ED (mg/m³)	375 mg/m³
Spain	VLA-ED (ppm)	100 ppm
Spain	VLA-EC (mg/m³)	568 mg/m³
Spain	VLA-EC (ppm)	150 ppm
Spain	Notes	Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante. Para más información véase el Apartado 5 de este documento), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país).
Sweden	Local name	1-Metoxi-2-propanol
Sweden	nivågränsvärde (NVG) (mg/m³)	190 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	568 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	150 ppm
Sweden	Anmärkning (SE)	H (Ämnet kan lätt upptas genom huden Det föreskrivna gränsvärdet bedöms ge tillräckligt skydd endast under förutsättning att huden är skyddad mot exponering för ämnet ifråga)
United Kingdom	Local name	1-Methoxypropan-2-ol
United Kingdom	WEL TWA (mg/m³)	375 mg/m³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m³)	560 mg/m³
United Kingdom	WEL STEL (ppm)	150 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Norway	Local name	1-metoksy-2-propanol (Propylenglykolmonometyleter)
Norway	Grenseverdier (AN) (mg/m³)	180 mg/m³
Norway	Grenseverdier (AN) (ppm)	50 ppm
Norway	Merknader (NO)	H (Kjemikalier som kan tas opp gjennom huden); E (EU har en veiledende grenseverdi for stoffet)
Switzerland	Local name	1-Methoxypropanol-2 (PGME)
Switzerland	MAK (mg/m³)	360 mg/m³ 360 mg/m³ 360 mg/m³
Switzerland	MAK (ppm)	100 ppm 100 ppm 100 ppm
Switzerland	KZGW (mg/m³)	720 mg/m³ 720 mg/m³ 720 mg/m³

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
Switzerland	KZGW (ppm)	200 ppm 200 ppm 200 ppm
Switzerland	Remark (CH)	B SS_C - ZNS, Auge[KT HU]
Australia	Local name	Propylene glycol monomethyl ether
Australia	TWA (mg/m³)	369 mg/m³ Synonym (1-Methoxypropan-2-ol)
Australia	TWA (ppm)	100 ppm Synonym (1-Methoxypropan-2-ol)
Australia	STEL (mg/m³)	553 mg/m³ Synonym (1-Methoxypropan-2-ol)
Australia	STEL (ppm)	150 ppm Synonym (1-Methoxypropan-2-ol)
USA - ACGIH	Local name	1-Methoxy-2-propanol
USA - ACGIH	ACGIH TWA (ppm)	50 ppm
USA - ACGIH	ACGIH STEL (ppm)	100 ppm
USA - ACGIH	Remark (ACGIH)	Eye irr; CNS impair; A4 (Not classifiable as a Human Carcinogen: Agents which cause concern that they could be carcinogenic for humans but which cannot be assessed conclusively because of a lack of data. In vitro or animal studies do not provide indications of carcinogenicity which are sufficient to classify the agent into one of the other categories)

ethanol (64-17-5)		
Austria	Local name	Ethanol
Austria	MAK (mg/m³)	1900 mg/m³
Austria	MAK (ppm)	1000 ppm
Austria	MAK Short time value (mg/m³)	3800 mg/m³
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Local name	Alcool éthylique # Ethanol
Belgium	Limit value (mg/m³)	1907 mg/m³
Belgium	Limit value (ppm)	1000 ppm
Bulgaria	Local name	Етилов алкохол
Bulgaria	OEL TWA (mg/m³)	1000 mg/m³
Croatia	Local name	Etanol; (Etil-alkohol)
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	1900 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	1000 ppm
Croatia	Naznake (HR)	F (lako zapaljivo)
Czech Republic	Local name	Ethanol
Czech Republic	Expoziční limity (PEL) (mg/m³)	1000 mg/m³
Czech Republic	Expoziční limity (PEL) (ppm)	530 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	3000 mg/m³
Czech Republic	Expoziční limity (NPK-P) (ppm)	1600 ppm
Denmark	Local name	Ethanol (Ethylalkohol)
Denmark	Grænseværdie (langvarig) (mg/m³)	1900 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Estonia	Local name	Etanool (etüülalkohol)
Estonia	OEL TWA (mg/m³)	1000 mg/m³
Estonia	OEL TWA (ppm)	500 ppm
Estonia	OEL STEL (mg/m³)	1900 mg/m³
Estonia	OEL STEL (ppm)	1000 ppm
Finland	Local name	Etanoli
Finland	HTP-arvo (8h) (mg/m³)	1900 mg/m³
Finland	HTP-arvo (8h) (ppm)	1000 ppm
Finland	HTP-arvo (15 min)	2500 mg/m³
Finland	HTP-arvo (15 min) (ppm)	1300 ppm
France	Local name	Alcool éthylique
France	VME (mg/m³)	1900 mg/m³
France	VME (ppm)	1000 ppm
France	VLE (mg/m³)	9500 mg/m³

ethanol (64-17-5)		
France	VLE (ppm)	5000 ppm
France	Note (FR)	Valeurs recommandées/admises
Germany	Local name	Ethanol
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	960 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	500 ppm
Germany	Remark (TRGS 900)	DFG,Y
Greece	OEL TWA (mg/m³)	1900 mg/m³
Greece	OEL TWA (ppm)	1000 ppm
Hungary	Local name	ETIL-ALKOHOL
Hungary	AK-érték	1900 mg/m³
Hungary	CK-érték	7600 mg/m³
Hungary	Megjegyzések (HU)	IV.
Ireland	Local name	Ethanol
Ireland	OEL (15 min ref) (ppm)	1000 ppm
Latvia	Local name	Etilspirts (etanols)
Latvia	OEL TWA (mg/m³)	1000 mg/m³
Lithuania	Local name	Etanolis (etilo alkoholis)
Lithuania	IPRV (mg/m³)	1000 mg/m³
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m³)	1900 mg/m³
Lithuania	TPRV (ppm)	1000 ppm
Netherlands	Local name	Ethanol
Netherlands	Grenswaarde TGG 8H (mg/m³)	260 mg/m³
Netherlands	Grenswaarde TGG 8H (ppm)	136 ppm (Ethanol; Netherlands; Time-weighted average exposure limit 8 h; Public occupational exposure limit value)
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	1900 mg/m³
Netherlands	Grenswaarde TGG 15MIN (ppm)	992 ppm (Ethanol; Netherlands; Short time value; Public occupational exposure limit value)
Netherlands	Remark (MAC)	H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een Haanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen.
Poland	Local name	Etanol (alkohol etylowy)
Poland	NDS (mg/m³)	1900 mg/m³
Portugal	Local name	Etanol (Álcool etílico)
Portugal	OEL STEL (ppm)	1000 ppm
Romania	Local name	Alcool etilic
Romania	OEL TWA (mg/m³)	1900 mg/m³
Romania	OEL TWA (ppm)	1000 ppm
Romania	OEL STEL (mg/m³)	9500 mg/m³
Romania	OEL STEL (ppm)	5000 ppm
Slovakia	Local name	Etylalkohol (etanol)
Slovakia	NPHV (priemerná) (mg/m³)	960 mg/m³
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Slovakia	OEL STEL (mg/m³)	1920 mg/m³
Slovakia	OEL STEL (ppm)	1000 ppm
Slovenia	Local name	etanol (etilalkohol)
Slovenia	OEL TWA (mg/m³)	1900 mg/m³
Slovenia	OEL TWA (ppm)	1000 ppm
Slovenia	OEL STEL (mg/m³)	7600 mg/m³

ethanol (64-17-5)		
Slovenia	OEL STEL (ppm)	4000 ppm
Spain	Local name	Etanol (Alcohol etílico)
Spain	VLA-EC (mg/m³)	1910 mg/m³
Spain	VLA-EC (ppm)	1000 ppm
Spain	Notes	s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para una información detallada acerca de las prohibiciones consúltese: Base de datos de productos biocidas: http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas Base de datos de productos fitosanitarios http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf).
Sweden	Local name	Etanol
Sweden	nivågränsvärde (NVG) (mg/m³)	1000 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	500 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	1900 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	1000 ppm
Sweden	Anmärkning (SE)	V (Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas)
United Kingdom	Local name	Ethanol
United Kingdom	WEL TWA (mg/m³)	1920 mg/m³
United Kingdom	WEL TWA (ppm)	1000 ppm
Iceland	Local name	Etanól (etýlalkóhól)
Iceland	OEL (8 hours ref) (mg/m³)	1900 mg/m³
Iceland	OEL (8 hours ref) (ppm)	1000 ppm
Norway	Local name	Etanol
Norway	Grenseverdier (AN) (mg/m³)	950 mg/m³
Norway	Grenseverdier (AN) (ppm)	500 ppm
Switzerland	Local name	Ethanol
Switzerland	MAK (mg/m³)	960 mg/m³ 960 mg/m³
Switzerland	MAK (ppm)	500 ppm 500 ppm
Switzerland	KZGW (mg/m³)	1920 mg/m³ 1920 mg/m³
Switzerland	KZGW (ppm)	1000 ppm 1000 ppm
Switzerland	Remark (CH)	SS_C - OAW, Formal$^{KT\ HU}$ - INRS, NIOSH
Australia	Local name	Ethyl alcohol
Australia	TWA (mg/m³)	1880 mg/m³ Synonym (Ethanol)
Australia	TWA (ppm)	1000 ppm Synonym (Ethanol)
USA - ACGIH	Local name	Ethanol
USA - ACGIH	ACGIH STEL (ppm)	1000 ppm
USA - ACGIH	Remark (ACGIH)	URT irr
USA - OSHA	Local name	Ethyl alcohol (Ethanol)
USA - OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Avoid all unnecessary exposure. Safety glasses. Gloves. Protective clothing.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Wear respiratory protection

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	No data available
Odour	:	No data available
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	-117 Ethyl Alcohol
Boiling point	:	79 °C Ethyl Alcohol
Flash point	:	< 23 °C
Auto-ignition temperature	:	363 °C Ethyl Alcohol
Decomposition temperature	:	> 100 °C
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	5,8 kPa Ethyl Alcohol
Relative vapour density at 20 °C	:	No data available
Relative density	:	0,79 Ethyl Alcohol
Relative density of saturated gas/air mixture	:	1,6 Ethyl Alcohol
Solubility	:	Miscible with water.
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Lower explosive limit (LEL)	:	3,3 vol % Ethyl Alcohol
Upper explosive limit (UEL)	:	19 vol % Ethyl Alcohol

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

colophony, rosin (8050-09-7)	
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
LD50 dermal rat	> 2000 mg/kg bodyweight (Rat; Experimental value; Other)

ethanol (64-17-5)	
LD50 oral rat	10740 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Experimental value)
LD50 dermal rabbit	> 16000 mg/kg (Rabbit; Literature study)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified

STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Not classified

colophony, rosin (8050-09-7)	
LC50 fish 1	< ≥ 1 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Brachydanio rerio; Semi-static system; Fresh water; Experimental value)
EC50 Daphnia 1	911 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 2	> 1000 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Experimental value)

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Threshold limit algae 1	> 1000 mg/l (EC50; Other; 168 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)

ethanol (64-17-5)	
LC50 fish 1	14200 mg/l (LC50; US EPA; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)

12.2. Persistence and degradability

colophony, rosin (8050-09-7)	
Persistence and degradability	Readily biodegradable in water. Very mobile in soil.
Chemical oxygen demand (COD)	2,6 g O_2/g substance

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Very mobile in soil. Photodegradation in the air.
ThOD	1,95 g O_2/g substance

ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil. Very mobile in soil.
Biochemical oxygen demand (BOD)	0,8 - 0,967 g O_2/g substance
Chemical oxygen demand (COD)	1,7 g O_2/g substance
ThOD	2,1 g O_2/g substance
BOD (% of ThOD)	0,43

12.3. Bioaccumulative potential

colophony, rosin (8050-09-7)	
BCF other aquatic organisms 1	56,2 (BCF; BCFBAF v3.00)
Log Pow	1,9 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
BCF fish 1	1 (BCF)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

ethanol (64-17-5)	
BCF fish 1	1 (BCF; Other; 72 h; Cyprinus carpio; Static system; Fresh water; Read-across)
Log Pow	-0,31 (Experimental value)
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

12.4. Mobility in soil

colophony, rosin (8050-09-7)	
Surface tension	0,078 N/m (20 °C)
Log Koc	log Koc,SRC PCKOCWIN v2.0; 0.8759; QSAR

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
Surface tension	0,0707 N/m (20 °C; 1 g/l)

ethanol (64-17-5)	
Surface tension	0,022 N/m (20 °C)
Log Koc	Koc,PCKOCWIN v1.66; 1; Read-across

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	1210	1210	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	PRINTING INK	Printing ink	Not regulated	Not regulated
Transport document description				
Not regulated	UN 1210 PRINTING INK, 3, II	UN 1210 Printing ink, 3, II	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	3	3	Not regulated	Not regulated

ADR	IMDG	IATA	ADN	RID
Not regulated			Not regulated	Not regulated
14.4. Packing group				
Not regulated	II	II	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Not regulated	Not regulated
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not regulated

- Transport by sea

Special provisions (IMDG)	:	163, 367
Limited quantities (IMDG)	:	5 L
Excepted quantities (IMDG)	:	E2
Packing instructions (IMDG)	:	P001
Special packing provisions (IMDG)	:	PP1
IBC packing instructions (IMDG)	:	IBC02
Tank instructions (IMDG)	:	T4
Tank special provisions (IMDG)	:	TP1, TP8
EmS-No. (Fire)	:	F-E
EmS-No. (Spillage)	:	S-D
Stowage category (IMDG)	:	B
Properties and observations (IMDG)	:	Fluid or viscous liquid containing colouring matter in solution or suspension. Miscibility with water depends upon the solvent.

- Air transport

PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y341
PCA limited quantity max net quantity (IATA)	:	1L
PCA packing instructions (IATA)	:	353
PCA max net quantity (IATA)	:	5L
CAO packing instructions (IATA)	:	364
CAO max net quantity (IATA)	:	60L
Special provisions (IATA)	:	A3, A72, A192
ERG code (IATA)	:	3L

- Inland waterway transport

Not regulated

- Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference	:	Water hazard class (WGK) 1, low hazard to waters (Classification water polluting based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 (Anhang 4))
Storage class (LGK)	:	LGK 10 - Combustible liquids
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	:	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen	:	colophony, rosin,ethanol are listed
SZW-lijst van mutagene stoffen	:	colophony, rosin is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	ethanol is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	ethanol is listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	ethanol is listed

Denmark

Class for fire hazard	:	Class II-1
Store unit	:	5 liter
Classification remarks	:	R10 <>; Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation	:	Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.