



Emission Madness? Not with SCAT!



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GHS - Globally Harmonized System of Classification

Solvent Name(s) Chemical Formula	Chapter	Hazard Class	Class Division	Hazard Code	Hazard Statement	Exposure Limit according to TRGS 900
Acetonitrile (ACN) C_2H_3N Cyanomethane Ethyl nitrile Methanecarbonitrile Methyl cyanide	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	10 ml/m ³ 17 mg/m ³
	3.1	Acute toxicity (oral)	Acute Tox. 4	H302	Harmful if swallowed	
	3.1	Acute toxicity (dermal)	Acute Tox. 4	H312	Harmful in contact with skin	
	3.1	Acute toxicity (respiratory)	Acute Tox. 4	H332	Harmful if inhaled	
	3.3	Serious eye damage / eye irritation	Eye Irrit. 2	H319	Causes serious eye irritation	
Methanol (MeOH) CH_4O Carbinol Hydroxymethane Methyl alcohol Methyl hydrate Methyl hydroxide Methylalcohol Methylol Wood spirit	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	200 ml/m ³ 270 mg/m ³
	3.1	Acute toxicity (oral)	Acute Tox. 4	H301	Toxic if swallowed	
	3.1	Acute toxicity (dermal)	Acute Tox. 4	H311	Toxic in contact with skin	
	3.1	Acute toxicity (respiratory)	Acute Tox. 4	H331	Toxic if inhaled	
	3.8	Specific target organ toxicity (single exposure)	STOT SE 1	H370	Causes damage to organs (if swallowed / inhaled / in contact with skin)	
n-Hexane C_6H_{14} Hexane Sextane	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	50 ml/m ³ 180mg/m ³
	3.2	Skin corrosion / irritation	Skin Irrit. 2	H315	Causes skin irritation	
	3.7	Reproduktionstoxizität	Repr. 2	H361f	Suspected of damaging fertility	
	3.8	Specific target organ toxicity (single exposure)	STOT SE 3	H336	May cause drowsiness or dizziness	
	3.9	Specific target organ toxicity (repeated exposure)	STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure (if swallowed / inhaled / in contact with skin long-term or repeatedly)	
	3.10	Aspiration hazard	Asp. Tox. 1	H304	May be fatal if swallowed and enters airways	
4.1	Hazardous to the aquatic environment (chronic)	Aquatic Chronic 2	H411	Toxic to aquatic life with long-lasting effects		
n-Heptane C_7H_{16} Heptane Septane	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	500 ml/m ³ 2.100 mg/m ³
	3.2	Skin corrosion / irritation	Skin Irrit. 2	H315	Causes skin irritation	
	3.8	Specific target organ toxicity (single exposure)	STOT SE 3	H336	May cause drowsiness or dizziness	
	3.10	Aspiration hazard	Asp. Tox. 1	H304	May be fatal if swallowed and enters airways	
	4.1	Hazardous to the aquatic environment (acute)	Aquatic Acute 1	H400	Very toxic to aquatic life	
4.1	Hazardous to the aquatic environment (chronic)	Aquatic Chronic 2	H410	Very toxic to aquatic life with long-lasting effects		
Acetone C_3H_6O Dimethyl ketone Dimethyl carbonyl 2-Propanone Dimethyl formaldehyde Pyroacetic spirit (archaic) β-Ketopropane	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	500 ml/m ³ 1.200 mg/m ³
	3.3	Serious eye damage / eye irritation	Eye Irrit. 2	H319	Causes serious eye irritation	
	3.8	Specific target organ toxicity (single exposure)	STOT SE 3	H336	May cause drowsiness or dizziness	

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Solvent Name(s) Chemical Formula	Chapter	Hazard Class	Class Division	Hazard Code	Hazard Statement	Exposure Limit according to TRGS 900
Dimethylformamide (DMF) C_3H_7NO N-Dimethylmethanamide	2.6	Flammable liquids	Flam. Liq. 2	H226	Flammable liquid and vapour	5 ml/m ³ 15 mg/m ³
	3.1	Acute toxicity (dermal)	Acute Tox. 4	H312	Harmful in contact with skin	
	3.1	Acute toxicity (respiratory)	Acute Tox. 4	H332	Harmful if inhaled	
	3.3	Serious eye damage / eye irritation	Eye Irrit. 2	H319	Causes serious eye irritation	
	3.7	Reproductive toxicity	Repr. 1B	H360D	May damage fertility or the unborn child	
Isopropanol C_3H_8O Isopropyl alcohol 2-Propanol Dimethyl carbinol Rubbing alcohol iPrOH	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	200 ml/m ³ 500 mg/m ³
	3.3	Serious eye damage / eye irritation	Eye Irrit. 2	H319	Causes serious eye irritation	
	3.8	Specific target organ toxicity (single exposure)	STOT SE 3	H336	May cause drowsiness or dizziness	
Methylethylketone (MEK) C_4H_8O Butanone	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	200 ml/m ³ 600 mg/m ³
	3.3	Serious eye damage / eye irritation	Eye Irrit. 2	H319	Causes serious eye irritation	
	3.8	Specific target organ toxicity (single exposure)	STOT SE 3	H336	May cause drowsiness or dizziness	
Toluene C_7H_8 Phenyl methane Toluol	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	50 ml/m ³ 190 mg/m ³
	3.2	Skin corrosion / irritation	Skin Irrit. 2	H315	Causes skin irritation	
	3.7	Reproductive toxicity	Repr. 2	H361d	Suspected of damaging the unborn child	
	3.8	Specific target organ toxicity (single exposure)	STOT SE 3	H336	May cause drowsiness or dizziness	
	3.9	Specific target organ toxicity (repeated exposure)	STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure (if swallowed / inhaled / in contact with skin long-term or repeatedly)	
	3.10	Aspiration hazard	Asp. Tox. 1	H304	May be fatal if swallowed and enters airways	
Tetrahydrofuran (THF) C_4H_8O	2.6	Flammable liquids	Flam. Liq. 2	H225	Highly flammable liquid and vapour	50 ml/m ³ 150 mg/m ³
	3.3	Serious eye damage / eye irritation	Eye Irrit. 2	H319	Causes serious eye irritation	
	3.6	Carcinogenicity	Carc. 2	H351	Suspected of causing cancer	
	3.8	Specific target organ toxicity (single exposure)	STOT SE 3	H335	May cause respiratory irritation	
Ethylacetate $C_4H_8O_2$ Acetic ester Acetic ether Ethyl ester of acetic acid	2.6	Flammable liquids	(Flam. Liq. 2)	H225	Highly flammable liquid and vapour	200 ml/m ³ 730 mg/m ³
	3.3	Serious eye damage / eye irritation	(Eye Irrit. 2)	H319	Causes serious eye irritation	
	3.8	Specific target organ toxicity (single exposure)	(STOT SE 3)	H336	May cause drowsiness or dizziness	