

Test substance	CAS No.	Endpoint	Short description	Guideline (EC-method, OECD, or similar)	GLP (yes/no)	Year
Ammonium hydrogensulfite	10192-30-0	Eye irritation	in vitro eye irritation – Short Time Exposure	OECD 491	yes	2023
Ammonium sulfite monohydrate	7783-11-1	Skin irritation	in vitro skin irritation – EpiDerm™	OECD 439	yes	2021
		Eye irritation	in vitro eye irritation – Short Time Exposure	OECD 491	yes	2023
Ammonium thiosulfate	7783-18-8	Physical and chemical properties	Dustiness	DIN EN 481 DIN 55992-1	no	2010
			Particle size distribution	OECD 110	yes	2010
		Skin irritation	in vitro skin irritation – human skin model (EpiDerm™)	OECD 439	yes	2022
		Skin sensitisation	in vivo skin sensitisation (Local Lymph Node Assay test)	OECD 429 (modified according to Ehling)*	yes	2010
		Genetic toxicity	in vitro genetic toxicity (gene mutation test – HPRT)	OECD 476	yes	2010
		Toxicity to aquatic algae and cyanobacteria	Freshwater alga, growth inhibition test	OECD 201	yes	2010
		Toxicity to microorganisms	Activated sludge, respiration inhibition test	OECD 209	yes	2010
Calcium thiosulfate	10124-41-1	Skin irritation	in vitro skin irritation – human skin model (EpiDerm™)	OECD 439	yes	2021
		Eye irritation	in vitro eye irritation – Short Time Exposure	OECD 491	yes	2023

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Dipotassium disulfite	16731-55-8	Physical and chemical properties	Dustiness	DIN EN 481 DIN 55992-1	no	2010
			Particle size distribution	OECD 110	yes	2010
		Skin irritation	in vitro skin irritation – EpiDerm™	OECD 439	yes	2022
			in vitro skin corrosion – (Corrositex™)	OECD 435	yes	2022
Disodium disulfite	7681-57-4	Physical and chemical properties	Dustiness	DIN EN 481 DIN 55992-1	no	2010
			Particle size distribution	OECD 110	yes	2010
		Skin sensitisation	in vivo skin sensitisation (Local Lymph Node Assay test)	OECD 429 (modified according to Ehling)*	yes	2010
		Genetic toxicity	in vitro genetic toxicity (bacterial reverse mutation assay)	OECD 471	yes	2022
			in vitro genetic toxicity (micronucleus test)	OECD 487	yes	2022
			in vitro genetic toxicity (gene mutation test – HPRT)	OECD 476	yes	2010
		Toxicity to aquatic algae and cyanobacteria	Freshwater alga, growth inhibition test	OECD 201	yes	2023
		Short-term toxicity to aquatic invertebrates	Daphnia magna, acute immobilisation test	OECD 202	yes	2023
Magnesium thiosulfate	10124-53-5	Skin irritation	in vitro skin irritation – human skin model	OECD 439	yes	2021

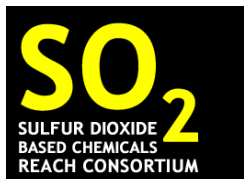
Test substance	CAS No.	Endpoint	Short description	Guideline (EC-method, OECD, or similar)	GLP (yes/no)	Year
			(Epiderm™)			
		Eye irritation	in vitro eye irritation – Short Time Exposure	OECD 491	yes	2023
Potassium hydrogensulfite	7773-03-7	Eye irritation	in vitro eye irritation – Bovine Corneal Opacity and Permeability	OECD 437	yes	2022
			in vitro eye irritation – Short Time Exposure	OECD 491	yes	2023
Potassium sulfite	10117-38-1	Eye irritation	in vitro eye irritation – Short Time Exposure	OECD 491	yes	2023

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Potassium thiosulfate	10294-66-3	Physical and chemical properties	Melting point	OECD 102	Yes	2010
		Skin irritation	in vitro skin irritation – human skin model (EpiDerm™)	OECD 439	yes	2022
		Eye irritation	in vitro eye irritation – Short Time Exposure	OECD 491	yes	2023
Sodium dithionite	7775-14-6	Physical and chemical properties	Dustiness	DIN EN 481 DIN 55992-1	no	2010
			Particle size distribution	OECD 110	yes	2010
			Explosive properties	OECD 113 EC A. 14	yes	2010
			Flammability of solids	EC A. 10	yes	2010
			Autoflammability of solids	EC A.16	yes	2010
		Hydrolysis	Hydrolysis	OECD 111	yes	2022
		Skin irritation	in vitro skin irritation – human skin model (EpiDerm™)	OECD 439	yes	2022
			in vitro skin corrosion – (Corrositex™)	OECD 435	yes	2022
		Skin sensitisation	in vivo skin sensitisation (Local Lymph Node Assay test)	OECD 429 (modified according to Ehling)*	yes	2010
Genetic toxicity	in vitro genetic toxicity (bacterial reverse mutation assay)	OECD 471	yes	2022		

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			in vitro genetic toxicity (gene mutation test – HPRT)	OECD 476	yes	2022
			in vitro genetic toxicity (micronucleus test)	OECD 487	yes	2022
		Toxicity to microorganisms	Activated sludge, respiration inhibition test	OECD 209	yes	2010
		Long-term toxicity to fish	Fish, Early-Life stage toxicity test	OECD 210	yes	ongoing
Sodium hydrogensulfite	7631-90-5	Eye irritation	in vitro eye irritation – Bovine Corneal Opacity and Permeability	OECD 437	yes	2021
			in vitro eye irritation – human cornea model test (EpiOcular™)	OECD 492	yes	2021
			in vitro eye irritation - Short Time Exposure	OECD 491	yes	2023
Sodium sulfite	7757-83-7	Physical and chemical properties	Dustiness	DIN EN 481 DIN 55992-1	no	2010
			Particle size distribution	OECD 110	yes	2010
		Skin sensitisation	in vivo skin sensitisation (Local Lymph Node Assay test)	OECD 429 (modified according to Ehling)*	yes	2010
		Genetic toxicity	in vitro genetic toxicity (bacterial reverse mutation assay)	OECD 471	yes	2022

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			in vitro genetic toxicity (micronucleus test)	OECD 487	yes	2022
			in vitro genetic toxicity (gene mutation test – HPRT)	OECD 476	yes	2022
		Long-term toxicity to fish	Fish, Early-Life stage toxicity test	OECD 210	yes	2010
		Toxicity to microorganisms	Activated sludge, respiration inhibition test	OECD 209	yes	2010
Sodium thiosulfate	7772-98-7	Physical and chemical properties	Dustiness	DIN EN 481 DIN 55992-1	no	2010
			Melting point	OECD 102	yes	2010
			Particle size distribution	OECD 110	yes	2010
		Hydrolysis	Hydrolysis	OECD 111	yes	2011
		Skin irritation	in vitro skin irritation – human skin model (EpiDerm™)	OECD 439	yes	2021
		Eye irritation	in vitro eye irritation – Bovine Corneal Opacity and Permeability	OECD 437	yes	2021
			in vitro eye irritation – human cornea model test (EpiOcular™)	OECD 492	yes	2021
			in vitro eye irritation - Short Time Exposure	OECD 491	yes	2023



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		Genetic toxicity	in vitro genetic toxicity (bacterial reverse mutation assay)	OECD 471	yes	2022
			in vitro genetic toxicity (micronucleus test)	OECD 487	yes	2022

*Modification according to Ehling et al. (2005a,b):

- Ehling, G., M. Hecht, A. Heusener, J. Huesler, A. O. Gamer, H. van Loveren, T. Maurer, K. Riecke, L. Ullmann, P. Ulrich, R. Vandebriel, H.-W. Vohr: An European inter-laboratory validation of alternative endpoints of the murine local lymph node assay: First round; *Toxicology 212*, 60-68 (2005a);
- Ehling, G., M. Hecht, A. Heusener, J. Huesler, A. O. Gamer, H. van Loveren, T. Maurer, K. Riecke, L. Ullmann, P. Ulrich, R. Vandebriel, H.-W. Vohr: An European inter-laboratory validation of alternative endpoints of the murine local lymph node assay: 2nd round; *Toxicology 212*, 69-79 (2005b).