

## Safety Summary Sheet

**Aluminium** (CAS NO. 7429-90-5)

Aluminium (CAS NO.: 7429-90-5)	SPECIES	PROTOCOL	RESULTS
<b>PHYSICAL-CHEMICAL</b>			
2.1	Melting Point	Unknown	660 °C
2.2	Boiling Point	Unknown	2327 – 2450°C
		Unknown	2494°C [24 mmHg(32.0 hPa)]
2.3	Density	Unknown	2.70 – 2.71
2.4	Vapour Pressure	Unknown	1 mmHg (1.3 hPa) [1284°C]
2.5	Partition Coefficient (log Kow)		No data
2.6.1A	Water Solubility		No data
2.6.1.B	Dissociation Constant (pKa)		No data
<b>ENVIRONMENTAL FATE AND PATHWAY</b>			
3.1.1	Photodegradation		No data
3.1.2	Stability in Water		No data
3.1.3	Stability in Soil		No data
3.2	Monitoring Data		No data
3.3.1	Transport between Environmental Compartments		No data
3.3.2	Distribution (Koc etc.)		No data
3.4	Biodegradation		No data
3.5	BOD-5, COD or BOD-5/ COD ratio		No data
3.6	Bioaccumulation		No data
<b>ECOTOXICOLOGY</b>			
4.1	Acute Toxicity to Fish	<i>salmo trutta</i>	OECD TG 203 96h-NOEC : > 100 mg/L
4.2	Acute Toxicity to Aquatic Invertebrates (Daphnia etc.)	<i>Daphnia magna</i>	OECD TG 202 48h-NOEC : > 100 mg/L
4.3	Toxicity to Aquatic Plants (Algae etc.)	<i>Selenastrum capricornutum</i>	OECD TG 201 72h-NOEC : > 100 mg/L
4.4	Toxicity to Microorganisms (Activated Sludge Respiration Inhibition test etc.)		No data
4.5.1	Chronic Toxicity to Fish		No data
4.5.2	Chronic Toxicity to Aquatic Invertebrates		No data
4.6	Toxicity to Terrestrial Organisms		No data
4.6.1	Toxicity to Sediment Dwelling Organisms		No data

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<b>TOXICOLOGY</b>				
5.1	Toxicokinetics, Metabolism and Distribution			No data
5.2	Acute Toxicity			
A.	Acute Oral Toxicity			No data*1
B.	Acute Inhalation Toxicity			No data
C.	Acute Dermal Toxicity			No data
D.	Acute Toxicity, Other Routes			No data
5.3	Irritation/Corrosion			
A.	Skin Irritation/Corrosion			No data
B.	Eye Irritation/Corrosion			No data
5.4	Skin Sensitization			No data
5.5	Repeated Dose Toxicity			No data
5.6	Genetic Toxicity in vitro			
A.	Gene Mutation (Bacterial Test etc.)			No data*2
B.	Chromosomal Aberration			No data
5.7	Genetic Toxicity in vivo			No data
5.8	Carcinogenicity			No data
5.9	Toxicity to Reproduction			
A.	Toxicity to Fertility			No data
B.	Developmental Toxicity/Teratogenicity			No data
5.10	Other relevant information			No data
5.11	Experience with Human Exposure			No data*3

\*1 : There is the information showing LD50 (Rat, oral)>5000mg/kg whose reliability is unclear.

\*2 : There are the information showing no mutagenicity whose reliabilities are unclear.

\*3 : There are the information reporting incidences of respiratory tract irritation, fume fever and irritation to eye and skin, whose reliability are unclear.

**Contact : <http://www.sumitomo-chem.co.jp/english/contact/>**

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