Grade name: Zinc, desilverising skims (Only toxic to the environment grade)
Substance: Zinc, desilverising skims
EC Number: 273-802-3
CAS Number: 69029-60-3
Substance Type: UVCB
Degree of purity: 100 % (w/w)
Description of Product: Zinc, desilverising skims are formed when solid zinc is added to molten lead bullion with a significant amount of silver and/or gold. Zinc desilverising skims consist mainly of metallic lead and silver-zinc alloys.

Composition:

Constituents	Typical concentration	Concentration range	Remarks
Lead EC no.: 231-100-4	<= 3.83 % (w/w)	>= 0 — <= 11.1 % (w/w)	Refers to % element. In general Pb is mainly present in the metallic form. Pb is also present in the form of compounds such as oxides (e.g. PbO).
Copper EC no.: 231-159-6	<= 1.84 % (w/w)	>= 0 — <= 4.82 % (w/w)	Refers to % element. Cu is assumed to be present in the metallic form.
Zinc EC no.: 231-175-3	<= 67.79 % (w/w)	>= 0 — <= 85 % (w/w)	Refers to % element. Zn is generally present in the form of an alloy (e.g. AgZn3).
Cadmium EC no.: 231-152-8	<= 0.09 % (w/w)	>= 0 — <= 0.09 % (w/w)	Refers to % element. Cd is assumed to be present in the metallic form.
Iron EC no.: 231-096-4	<= 0.22 % (w/w)	>= 0 — <= 1.5 % (w/w)	Refers to % element. Fe is assumed to be present in the metallic form.
Silver EC no.: 231-131-3	<= 41.35 % (w/w)	>= 0 — <= 65 % (w/w)	Refers to % element. Ag is generally present in the form of an alloy (e.g. AgZn3).
Gold EC no.: 231-165-9	<= 5 % (w/w)	>= 0 — <= 10 % (w/w)	Refers to % element. Au is assumed to be present in the metallic form.
Arsenic EC no.: 231-148-6	<= 1.31 % (w/w)	>= 0 — <= 10 % (w/w)	Refers to % element. As is assumed to be present in the metallic form.
Antimony EC no.: 231-146-5	<= 1.1 % (w/w)	>= 0 — <= 10 % (w/w)	Refers to % element. Sb is assumed to be present in the metallic form.
Bismuth EC no.: 231-177-4	<= 0.48 % (w/w)	>= 0 — <= 1 % (w/w)	Refers to % element. Bi is assumed to be present in the metallic form.

Constituents	Typical concentration	Concentration range	Remarks
Tin EC no.: 231-141-8	<= 0.2 % (w/w)	>= 0 — <= 0.5 % (w/w)	Refers to % element. Sn is assumed to be present in the metallic form.
Selenium EC no.: 231-957-4	<= 0.06 % (w/w)	>= 0 — <= 0.5 % (w/w)	Refers to % element. Se is assumed to be present in the metallic form.
Tellurium EC no.: 236-813-4	<= 0.1 % (w/w)	>= 0 — <= 0.5 % (w/w)	Refers to % element. Te is assumed to be present in the metallic form.
Silicon EC no.: 231-130-8	<= 0.06 % (w/w)	>= 0 — <= 0.1 % (w/w)	Refers to % element. Si is assumed to be present in the metallic form.
Nickel EC no.: 231-111-4	<= 0.02 % (w/w)	>= 0 — <= 0.1 % (w/w)	Refers to % element. Ni is assumed to be present in the metallic form.

Classification:

Dangerous Substances Directive 67/548/EEC - Not classified as hazardous.

Classification Labelling and Packaging Regulation EC 1272/2008 - Not classified as hazardous.

Industry classification proposals - Industry proposes to classify zinc, desilverising skims (harmful to the environment) to bring it into line with the latest scientific data and knowledge. The proposed classification will be:

DSD
N; R51/53: Dangerous for the environment; Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLP
Aquatic Chronic 2, H411: Toxic to aquatic life with long lasting effects

Labelling:

Signal word: no signal word

Hazard pictograms:
GHS09: environment

Hazard statements:
H411 Toxic to aquatic life with long lasting effects

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