

ILCO Chemikalien GmbH

ILCO COS Products

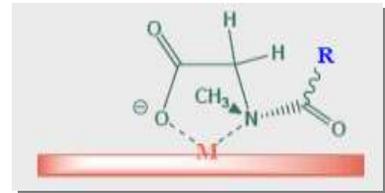
ILCO COS – Glutamates & Sarcosinates

Glutamate and sarcosinate salts are anionic amino acid bases surfactants that are used in cosmetics as mild surfactants with a lower irritation potential compared to other surfactants. Sarcosinates are also available in free acid form. Main application areas in cosmetics are: skin, hair and oral hygiene products, and in addition soap production; further application areas are sunscreens and creams.

Besides the application in cosmetics these surfactants are also used in household, I&I and industrial products, e.g. as corrosion inhibitors in lubricants or metal working fluids, as rust preventatives, as fuel additives, as surfactant in various types of cleaners and as textile processing aids.

Effect as a Corrosion Inhibitor

- Strong absorption due to the coordination by a five-membered ring
- Chain of the fatty acid is almost upright to the metal surface



Product	Active Ingredient [%]	pH (10% solution)	TAN mg KOH/g	Colour
Glutamates				
ILCO COS SCG 35 Disodium Cocoylglutamate	32.5 - 38.1	9.5 - 10.5	-	-
ILCO COS SCG 50 Disodium Cocoylglutamate	48.9 - 51.1	9.5 - 10.5	-	-
ILCO COS 704 Sodium Cocoylglutamate	22.5 - 24.0	7.4 - 9.6	-	<100 (Hazen)
Sarcosinate				
ILCO COS 501 Sodium Lauroylsarcosinate	28 - 32	7.9 - 9.4	-	<60 (APHA)
ILCO COS 502 Sodium Cocoylsarcosinate	28 - 32	7.9 - 9.4	-	<200 (APHA)
ILCO COS 503 Sodium Myristoylsarcosinate	28 - 31	7.9 - 9.4	-	<200 (APHA)
ILCO COS 601 Lauroylsarcosine	>94	-	189 - 221	<2 (Gardner)
ILCO COS 602 Cocoylsarcosine	>94	-	179 - 211	<4 (Gardner)
ILCO COS 603 Oleoylsarcosine	>94	-	152 - 164	<6 (Gardner)

ILCO ACI – Acid Chlorides

Acid chlorides are used as intermediates e.g. in the manufacture of agrochemicals, cosmetic ingredients or vitamins.

Product	Free Acid [%]	Form	P-Content	Colour
ILCO ACI C8 Octanoyl Chloride	<2.0	Liquid (20 °C)	<300 ppm	<150 (APHA, 20 °C)
ILCO ACI C12 Lauroyl Chloride	<2.0	Liquid (20 °C)	<300 ppm	<150 (APHA, 20 °C)
ILCO ACI C12/14 Lauroyl/Myristoyl Chloride	<2.0	Liquid (20 °C)	<300 ppm	<150 (APHA, 20 °C)
ILCO ACI C16 Palmitoyl Chloride	<2.0	Liquid (30 °C)	<350 ppm	<80 (APHA, 70 °C)
ILCO ACI C18 Stearylyl Chloride	<5.0	Liquid (80 °C)	<0.70%	<1.2 (Gardner, 80 °C)
ILCO ACI C18:1 Oleoyl Chloride	<5.0	Liquid (80 °C)	<0.90%	<1.5 (Gardner, 80 °C)

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