

# COO Assay Max

## MATERIAL SAFETY AND DATA SHEET

Section 1 Chemical Product and Company Identification	
<b>Name</b>	COO Assay Max kit Coomassie Reagent Cat.#UP87542-
<b>Synonyms</b> (CAS, chemical names, tradename, abbreviates...)	Protein determination kit based on coomassie G250
<b>Company identification</b>	UPTIMA-INTERCHIM 213 J.F.Kennedy, 03100 Montluçon (FRANCE) Tel. :+33 (0)3 70 03 88 55 Fax: +33 (0) 3 70 03 82 60 e-mail: <a href="mailto:uptima@interchim.com">uptima@interchim.com</a>
<b>In case of Emergency</b>	In Europe: Call UPTIMA-INTERCHIM out of office: Centre anti Poisons de Lyon In US: call CHEMTREC Tel.: +33 (0)3 70 03 88 55 Tel.: 04 72 11 69 11 Tel.: 800;424;9300

Section 2 Composition, Information on Ingredients		
Component	Hazardous ingredients (Identification, CAS, Name...)	Information (% weight, state...)
Coomassie Reagent (#UPF86420)	Brilliant Blue G250 (C47H48N3NaO7S2) Acid Alcohol	0.02% solution 8.5% 4.75%
Albumin Standard (#UP36859)	Serum Bovin Albumin	2mg / ml solution

Section 3 Hazards Identification	
<b>Label precautionary statement</b>	IRRITANT Irritating to eyes, respiratory system and skin
<b>Emergency overview</b>	Contains material which cause damage to the following organs: lungs, gastrointestinal tract, respiratory tract, skin, eyes, central nervous system, lens or cornea. May be harmful if inhaled, absorbed through skin or swallowed.
<b>Potential health effects</b> (Eye, Skin, Ingestion, Inhalation, Chronic)	Slightly hazardous in case of skin contact (corrosive, irritant), of eye contact (irritant, corrosive), of ingestion, of inhalation (lung irritant, lung corrosive)
<b>Other information</b> (over-exposure, toxicity...)	
<b>Precautionary guidelines</b>	Avoid prolonged contact with eyes, skin, and clothing. Do not ingest. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Section 4 First aid Measures	
<b>General measures</b>	Remove contaminated clothing promptly. Allow the victim to rest in a well ventilated area, Seek medical attention
<b>Emergency first measures</b> (Eyes, Skin, Ingestion, Inhalation...)	In case of skin contact, wash thoroughly (>15min) after handling-contact. Remove contaminated clothing and shoes In case of eye contact, flush with copious amounts of water for at least 15 min. Assure adequate flushing by separating the eyelids with fingers. If swallowed, do NOT induce vomiting, if conscious and alert, rinse mouth and drink water. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air If not breathing, give artificial respiration If breathing is difficult, give oxygen
<b>Notes to physicians</b>	Not available

Section 5 Fire Fighting Measures	

MSDS-87542A	
<b>Physical Information</b> (Flammability, auto-ignition, flash point...)	Non-flammable
<b>General information</b>	/
<b>Extinguishing media</b>	Not applicable

Section 6 Accidental Release Measures	
<b>General information</b>	Wear proper personal protective equipment to avoid skin and eye exposure (see section 8): wear respirator, rubber boots, chemical resistant gloves
<b>Spills and Leaks</b>	Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; Bury if required. Dilute with water, or absorb with an inert dry material and place in an appropriate waste disposal container.
<b>Other</b>	

Section 7 Handling and Storage	
<b>Handling</b>	Avoid prolonged contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Keep container closed. Use only adequate ventilation. Wash thoroughly after handling.
<b>Storage</b>	Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8 Exposure Controls, Personal Protection	
<b>Engineering controls</b>	Ensure there are eyewash stations and safety showers close to the work-stations. Avoid breathing vapors, and provide an exhaust ventilation for prolonged work periods.
<b>Personal protection</b> (eyes, hands, body, respiratory...)	For normal use, rubber gloves usually sufficient when handled properly. Wear protective clothing (laboratory suit) to prevent skin contact In case of large spill, additionnal protective wears may be needed (boots, splash goggles and safety glasses...) Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions
<b>Exposure limits</b>	consult local authorities

Section 9 Physical and Chemical Properties	
<b>Physical state / Appearance</b>	Liquid
<b>Odor</b>	No remarkable odor
<b>Other</b> (pH, Melting/Freezing Point, Vapor Pressure, Vapor Density, Volatility, Boiling Point, Viscosity, Flash point, Auto-ignition temperature, Explosion limits (low.Upp.), Specific Gravity / Density, Molecular Formula /MW, CAS...)	Not available. All reagents are aqueous solutions
<b>Comments</b>	

Section 10 Stability and Reactivity	
<b>Chemical Stability</b> <b>Chemical Reactivity</b> (conditions, by-products...)	This product is stable under normal storage and handling conditions (normal temperature and pressure)
<b>Incompatibilities</b> (conditions, materials...)	Strong oxidizing agents Strong acids
<b>Decomposition polymerisation</b> (conditions, materials...)	Hazardous combustion or decomposition not known products of combustion are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2), metallic oxides (sulfur oxides) No Hazardous polymerisation
<b>Comments</b>	

Section 11 Toxicological Information	
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For any question,  
contact your local distributor

Uptima,  
powered by



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03103 Montluçon Cedex - France  
Tél. 04 70 03 88 55 - Fax 04 70 03 82 60

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<b>Toxicity</b>	Acute oral toxicity (LD50): 1530 mg/kg [rat]. (Acid)
<b>in animals</b>	Acute dermal toxicity (LD50): 2470 mg/kg [rabbit]. (Acid)
<b>in human</b>	???
<b>Carcinogenicity</b>	Not available
<b>Remarks (RTECS...)</b>	Not available

<b>Section 12 Ecological Information</b>	
<b>Ecotoxicity (BOD5, COD...)</b>	Not available
<b>Biodegradation</b>	
<b>Mobility</b>	
<b>Remarks</b>	

<b>Section 13 Disposal Considerations</b>	
<b>Waste</b>	Not available
<b>Remarks</b>	Consult your local or regional authority or a licensed professional waste service

<b>Section 14 Transport Information</b>	
<b>Classifications (Other classifications)</b>	Not controlled under IATA, ADR (Europe) Not controlled under TDG(Canada), IMDG, DOT (USA)
<b>Shipping</b>	Room temperature
<b>Hazards Class</b>	
<b>UN Class</b>	
<b>Packing Group</b>	
<b>Comments (marine pollutants...)</b>	

<b>Section 15 Regulatory Information</b>	
<b>Classification Europe</b>	* European labeling in accordance with EC directives CAUTION: product not fully tested Hazard symbols: Xn Risk phrases: Reagent A: R36 Reagent B: R37-38 Safety phrases: Reagent A: S26-36 Reagent B:
<b>Other classifications</b>	* WGK (Water Danger/Protection) : CAS# 69-78-3: 1 * Canada: CAS# 69-78-3 is listed on Canada's DSL/NDSL List, but not listed on Canada's Ingredient Disclosure List. * US FEDERAL: CAS# 69-78-3 is listed on the TSCA inventory.

<b>Section 16 Additional Information</b>	
<b>MSDS validation</b>	UPTIMA-INTERCHIM, I04E
<b>Comment</b>	<i>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages</i>