

Material Safety Data Sheet



LIQUID EXEC 120 WATER CONDITIONER PLUS

Section 1. Chemical product and company identification

Trade name : LIQUID EXEC 120 WATER CONDITIONER PLUS
Product use : Laundry product
Supplier : Textile Care - Division of Ecolab Co.
5105 Tomken Road
Mississauga ON L4W 2X5
1-800-352-5326
Code : 902693-02
Date of issue : 26-February-2008
EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
triphosphoric acid, pentasodium salt	7758-29-4	15 - 40
sodium dodecylbenzene sulfonate	25155-30-0	1 - 5

Section 3. Hazards identification

Physical state : Liquid. [paste]
Emergency overview : CAUTION!
MAY CAUSE EYE IRRITATION.
Avoid contact with eyes. Wash thoroughly after handling.
Routes of entry : Skin contact, Eye contact, Inhalation, Ingestion

Potential acute health effects

Eyes : Slightly irritating to the eyes.
Skin : Slightly irritating to the skin.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

See toxicological information (section 11)

Section 4. First-aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
Skin Contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation : If inhaled, remove to fresh air.
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation persists, get medical attention.

Section 5. Fire-fighting measures

Auto-ignition temperature : Not available.
Flash point : > 100°C
Product does not support combustion.
Flammable limits : Not available.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon oxides
nitrogen oxides
sulfur oxides
phosphorus oxides
metal oxide/oxides
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
Dyke area of fire to prevent runoff.
- No specific fire or explosion hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Risk of explosion of the product in the presence of mechanical impact: Not available.

Risk of explosion of the product in the presence of static discharge: Not available.

Section 6. Accidental release measures

- Personal Precautions** : Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.
- Environmental precautions** : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : Absorb with an inert material and place in an appropriate waste disposal container.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes. Wash thoroughly after handling.
- Storage** : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed.
Store between the following temperatures: 40 and 10°C

Section 8. Exposure controls, personal protection

- Engineering measures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protection :

- Eyes** : No protective equipment is needed under normal use conditions.
- Hands** : No protective equipment is needed under normal use conditions.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

- Physical state** : Liquid. [paste]
- Colour** : Yellow.
- Odour** : Faint odour.
- pH** : 7.8 [Conc. (% w/w): 100%]
- Boiling/condensation point** : >100°C (>212°F)
- Melting/freezing point** : Not available.
- Specific gravity** : 1.26
- Vapour pressure** : Not available.
- Vapour density** : Not available.
- Odour threshold** : Not available.
- Evaporation rate** : Not available.
- Viscosity** : Dynamic: 1700 cP

LogK_{ow}	: Not available.
Dispersibility properties	: Easily dispersed in hot water. Dispersed in cold water.
Solubility	: Easily soluble in hot water. Soluble in cold water.

Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerisation will not occur.
Conditions of instability	: Not available.
Reactivity	: Reactive with acids.
Hazardous Decomposition Products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Potential acute health effects

Eyes	: Slightly irritating to the eyes.
Skin	: Slightly irritating to the skin.
Inhalation	: No known significant effects or critical hazards.
Ingestion	: No known significant effects or critical hazards.

Potential chronic health effects

Carcinogenic effects : No known significant effects or critical hazards.

<u>Ingredient name</u>	<u>ACGIH</u>	<u>IARC</u>	<u>NTP</u>	<u>OSHA</u>
Not applicable.				

Mutagenic effects	: No known significant effects or critical hazards.
Teratogenic effects	: No known significant effects or critical hazards.
Reproductive effects	: No known significant effects or critical hazards.
Sensitization to Product	: No known significant effects or critical hazards.
Synergistic products (toxicologically)	: Not available.

Toxicity data

<u>Ingredient name</u>	<u>Test</u>	<u>Route</u>	<u>Result</u>	<u>Species</u>
sodium dodecylbenzene sulfonate	LD50	Oral	438 mg/kg	Rat
	LD50	Oral	1330 mg/kg	Mouse
triphosphoric acid, pentasodium salt	LD50	Dermal	>4640 mg/kg	Rabbit
	LD50	Oral	3120 mg/kg	Rat
	LD50	Oral	3100 mg/kg	Mouse
	LC50	Inhalation	0.39 mg/L	Rat

Target organs : Not available.

Section 12. Ecological information

Ecotoxicity

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
sodium dodecylbenzene sulfonate	Daphnia	48 hours	Acute EC50 5.88 mg/L
	Fish	96 hours	Acute LC50 6.5 mg/L
	Fish	96 hours	Acute LC50 1.68 mg/L
	Fish	96 hours	Acute LC50 1.18 mg/L
triphosphoric acid, pentasodium salt	Daphnia	48 hours	Acute EC50 >100 mg/L
	Fish	96 hours	Acute LC50 >100 mg/L
	Fish	96 hours	Acute LC50 >1600 mg/L

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
TDG Classification	Not regulated.	-	-	-	-

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

WHMIS : Class D-2B: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

Section 16. Other information

Date of issue : 26-February-2008.

Responsible name : Regulatory Affairs
1-800-352-5326

Date of previous issue : 22-August-2005.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.