

## Lithium-Ion Battery Extinguisher (LB) Safety Data Sheet



1. PRODUCT AND COMPANY IDENTIFICATION	
<b>MATERIAL IDENTIFICATION</b>	
PRODUCT	Presto P Foam Green / Green 2
TYPE OF PRODUCT	Fire Extinguishing Water Additive
CAS No	57-13-6
<b>COMPANY IDENTIFICATION</b>	
ADDRESS	Presto Brandsäkerhet AB, Värmbolsvägen 2, Box 315, 64123 KATRINEHOLM, Sweden
TELEPHONE / EMAIL	+46 (0)10-45 20 000 / info@presto.se
2. HAZARDS IDENTIFICATION	
HEALTH HAZARDS & SPECIFIC RISKS	Upon assessment, this mixture is not classified as hazardous according to 1272/2008
PHYSICAL AND CHEMICAL HAZARDS	Not Applicable
OTHER HAZARDS	This product does not contain any substances that are assessed to be a PBT or a vPvB
3. COMPOSITION / INFORMATION ON INGREDIENTS	
MIXTURES	Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted.
HAZARDOUS COMPONENTS	Carbonyldiamine (Urea)..... [<10%] CAS No : 57-13-6 / EINECS 200-315-5
4. FIRST AID MEASURES	
AFTER SKIN CONTACT	Normal washing of the skin is considered sufficient. If symptoms do occur, contact a physician.
AFTER EYE CONTACT	Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor/ophthalmologist.
AFTER SWALLOWING	Rinse nose, mouth and throat with water. Contact a doctor.
AFTER INHALING	Fresh air and rest. If symptoms persist seek medical advice.

<b>5. FIRE FIGHTING MEASURES</b>			
EXTINGUISHING MEDIA		Not applicable. Fire fighting water additive.	
ADVICE FOR FIRE FIGHTERS		Cool closed containers that were exposed to fire with water. Protective measures should be taken regarding other material at the site of the fire.	
<b>6. ACCIDENTAL RELEASE MEASURES</b>			
PERSONAL PRECAUTIONS		Wear gloves and visor or goggles. Keep unauthorised and unprotected people at a safe distance. Ensure good ventilation.	
ENVIRONMENTAL PROTECTION		Avoid release to drains, soil or watercourses	
<b>CLEANING MEASURES</b>			
COLLECTING & CLEANING		Small spills can be wiped up with a cloth or similar. Larger spills should first be covered with sand or earth and then be collected. Then flush the spill site with water.	
DISPOSAL		Collected material should be disposed according to Section 13.	
<b>7. HANDLING AND STORAGE</b>			
HANDLING		Do not eat, drink or smoke in premises where this product is handled. Handle in premises which have modern ventilation standards. Wash your hands after using the product. Remove clothes which have been contaminated and wash before reuse.	
<b>STORAGE</b>			
STORAGE CONDITIONS		Store only in the original package. Do not store above normal room temperature.	
STORAGE RECOMMENDATIONS		Store this product separately from food items and keep it out of the reach of children and pets.	
<b>8. EXPOSURE CONTROL AND PERSONAL PROTECTION</b>			
<b>EXPOSURE PARAMETERS</b>			
Urea DNEL (Derived No-Effect Levels)			
	<b>Type of exposure</b>	<b>Route of exposure</b>	<b>Value</b>
Consumer	Chronic Systemic	Inhalation	125 mg/m <sup>3</sup>
Worker	Chronic Systemic	Dermal	580 mg/kg bw
Worker	Acute Systemic	Inhalation	292 mg/m <sup>3</sup>
Worker	Acute Systemic	Dermal	580 mg/kg bw
Worker	Chronic Systemic	Inhalation	292 mg/m <sup>3</sup>
Consumer	Acute Systemic	Oral	42 mg/kg bw
Consumer	Acute Systemic	Inhalation	125 mg/m <sup>3</sup>
Consumer	Acute Systemic	Dermal	580 mg/kg bw
Consumer	Chronic Systemic	Oral	42 mg/kg bw
Consumer	Chronic Systemic	Dermal	580 mg/kg bw
Urea PNEC (Predicted No-Effect Concentration)		Fresh water: 0.047 mg/litre	

<b>EXPOSURE CONTROLS</b>	In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation. Follow the instructions. No special measures need to be taken in the event of normal handling or use.
<b>PERSONAL PROTECTIVE EQUIPMENT</b>	
SKIN PROTECTION	Protective gloves are normally not needed due to the properties of this product. If necessary, use gloves made of neoprene or nitrile (EN 374).
EYE PROTECTION	Use protective glasses, safety goggles, or a visor.
RESPIRATORY PROTECTION	Use protective breathing equipment in case of insufficient ventilation.
ENVIRONMENTAL EXPOSURE CONTROLS	For limitation of environmental exposure, see Section 12.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
PHYSICAL FORM	Liquid
COLOUR / ODOUR	Colourless to pale yellow. Characteristic odour.
FLAMMABILITY / OXIDISING / EXPLOSIVE PROPERTIES	Not applicable
RELATIVE DENSITY	≈1
ALL OTHER PROPERTIES	Not indicated
<b>10. STABILITY AND REACTIVITY</b>	
REACTIVITY	The product contains no substances which can lead to hazardous reactions in normal use
CHEMICAL STABILITY	Stable under normal conditions of use and storage
CONDITIONS TO AVOID	Protect from heat
INCOMPATIBLE MATERIALS	Avoid contact with oxidizers
DECOMPOSITION	No hazardous decomposition products under normal conditions
<b>11. TOXICOLOGICAL DATA</b>	
ACUTE TOXICITY	The product is not classified as acutely toxic
LOCAL EFFECTS ON EYES AND SKIN	Mild irritation may occur on prolonged or repeated exposure. Not irritant at the recommended concentration of use.
RESPIRATORY OR SKIN SENSITISATION	This product does not contain any known allergens
<b>12. ECOLOGICAL DATA</b>	
TOXICITY	No ecological damage is known or expected in the event of normal use. Avoid larger spills in soil, water and drains.
PERSISTENCE AND DEGRADABILITY	The product degrades in the natural environment
BIOACCUMULATIVE POTENTIAL	This product does not contain any substances that are assessed to be a PBT or a vPvB

<b>13. DISPOSAL CONSIDERATIONS</b>	
WASTE HANDLING	The product is not classified as hazardous waste
DISPOSAL	Residual, old or contaminated product should be disposed of at a waste management facility. Observe local regulations or contact the supplier for further information. See also national waste regulations.
<b>14. TRANSPORT INFORMATION</b>	
UN MODEL REGULATIONS	Non hazardous under all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air)
UN NUMBER	Not classified as dangerous goods
UN NAME	Not applicable
<b>15. REGULATORY INFORMATION</b>	
REGULATIONS / LEGISLATION	Not indicated
HAZARD SYMBOL	Not applicable
CHEMICAL SAFETY ASSESSMENT	Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed
<b>16. OTHER INFORMATION</b>	
SOURCES FOR DATA	<p>Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I , as updated to 2019-01-17.</p> <p>Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.</p>

# UltraFire

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