

**Reference Code** : PCLEANTAB  
**Revision Date** : 14 / 08 / 2007  
**Revision Number** : 2  
**Material / Trade Name** : VELOPEX CLEANING TABLETS

**1 - SUBSTANCE IDENTIFICATION**

**Material / Trade Name** : Velopex Cleaning Tablets  
**Material Type** : Cleaning Tablets  
**Company** : Medivance Instruments Limited  
**Address** : Barretts Green Road,  
 Harlesden,  
 London NW10 7AP  
**Telephone** : 020 8965 2913  
**Fax** : 020 8963 1270  
**Emergency Telephone** : 020 8965 2913

**2 - COMPOSITION**

Ingredient	Weight in Product (% w/w)	EC Index No	EC (EINECS) No.	Classification
1,3,5 - Triazine - 2,4,6 (1H, 3H, 5H) - trione, 1, 3 - dichloro-, sodium salt. CAS No. 2893-78-9	50.25%	220 - 767 - 7	613 - 030 - 00 - X	O; Xn; N; R: 8, 22, 31, 36/37, 50/53; S: 2, 8, 26, 41, 60, 61
Adipic Acid CAS No. 000124-04-9	24.12%	201-132-3	607-144-00-9	X1, R:36, S;2
Tartrazine CAS No. 1934-21-0	0.23%	-	217-699-5	R:42, 43; S:24, 26
Surfac SDBS80	0.50%	-	-	Xn, R:38, 41, 42; S:20, 26, 28, 39

**3 - HAZARD IDENTIFICATION**

<b>Hazards Identification</b>	Contact with combustible material may cause fire Contacts with acids liberates toxic gas Irritating to eyes and respiratory system
<b>Short Term Exposure (acute)</b>	<p><b>Inhalation</b> Breathing dust or fumes is expected to be a primary route of exposure and may cause throat and respiratory tract irritation.</p> <p><b>Eyes</b> Contact can cause severe damage including burns and blindness</p> <p><b>Skin</b> On contact with moisture, this preparation readily hydrolyses to acid which may result in burns if not promptly removed.</p> <p><b>Ingestion</b> May cause burns to gastrointestinal tract</p>
<b>Repeated Exposure (chronic)</b>	No known chronic effects Chronic exposure to large amounts of this preparation has not yet been characterised and the irritating properties of the compound make such an exposure highly unlikely
<b>Medical Conditions Aggravated by Exposure</b>	Pre-existing disorders affecting target organs

**4 - FIRST AID MEASURES**

<b>Inhalation</b>	Move person to fresh air. If breathing is difficult have trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration. Get medical Attention Immediately.
<b>Skin contact</b>	Immediately brush off excess chemical and flush with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and tissue. Washing eyes within several seconds is essential to achieve maximum effectiveness. Get Medical Attention Immediately.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. If swallowed do not induce vomiting. Give large quantities of water. (If available give several glasses of milk) If vomiting occurs spontaneously, keep airway clear and give more water. Get Medical Attention Immediately.

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## 5 – FIRE FIGHTING MEASURES

<b>Extinguishing Media</b>	Do not attempt to extinguish the fire without a self contained breathing apparatus. Do not let the fire burn. Flood with copious amounts of water. Do not use dry chemical extinguishers since there is potential for a violent reaction
<b>Fire-Fighting Techniques</b>	Fire Fighters should wear full protective clothing and self contained breathing apparatus. Using a 10% solution of sodium carbonate, thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident

## 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Protection</b>	Avoid contact with skin and eyes. Wear chemical safety goggles and chemical resistant gloves. Handle product in a well ventilated area
<b>Environmental Protection</b>	Do not release into the environment. Prevent flow of material into water source and begin monitoring available chlorine and pH immediately. Notify all down stream users of possible contamination
<b>Methods for Cleaning Up</b>	Contain spilled material. Any spillage should be cleaned up as soon as possible. Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil, and other contaminated material and place into clean, dry containers for disposal. Do not close drums containing wet or damp material. Do not transport wet or damp material

## 7 – HANDLING AND STORAGE

<b>General Handling</b>	Do not get in eyes, on skin or on clothing. Avoid breathing airborne particulates; wear respiratory protection when exposure is possible Wear goggles or face shield and rubber gloves when handling. Wash thoroughly with soap and water after handling. Wash contaminated clothing before use. Vapour space in a closed container may contain a slight amount of chlorine gas and compounds from decomposition of the product.
<b>Special Mixing and Handling Instructions</b>	Mix only with water. Use clean dry utensils. Do not mix this product with remnants of any other products. Such uses may cause a violent reaction leading to fire or explosion. Contamination with moisture, organic matter or other chemicals may start a chemical reaction with generation of heat, liberation of hazardous gases, and possible generation of fire and explosion. Vapour space in a closed container may contain a slight amount of chlorine gas and other chlorine containing compounds from decomposition of the product. Exposure to chlorine gas may cause burning of the eyes, burning of the nose and mouth and irritation of the linings of the respiratory tract with coughing, a choking sensation, sub-sterna pain, vomiting, nausea, headache, dizziness and fainting. Storage Store in original container and in a cool dry area where temperatures do not exceed 52°C. Keep container tightly closed and store away from incompatible materials. Do not allow water to get into the container. Keep out of reach of children

## 8 – EXPOSURE CONTROLS

<b>Personal Protective Equipment</b>	Wear chemical safety goggles and chemical resistant gloves
<b>Respiratory Protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment
<b>Ventilation</b>	Use only in well-ventilated areas

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**9 – PHYSICAL & CHEMICAL PROPERTIES**

<b>Appearance</b>	Orange tablet
<b>Odour</b>	Slight chlorine odour
<b>Solubility</b>	24g/100g @25°C
<b>pH</b>	To be determined
<b>Thermal Decomposition Temp</b>	225 - 250°C

**10 – STABILITY AND REACTIVITY**

**Stability Data** Stable

**Incompatibility (Materials to avoid)** Strong acids and/or alkalis, reducing agents and combustible material. The active ingredient in this preparation is a strong oxidising agent. The preparation of concentrated solutions or slurries is not recommended. Avoid contact with water on concentrated material in the container. Also avoid contact with easily oxidisable organic material: ammonia, urea or similar nitrogen containing compounds; inorganic reducing compounds; floor sweeping compounds; calcium hypochlorite and alkalis

**Hazardous Decomposition Products** Chlorine containing gases can be produced

**Polymerisation - Avoid** Hazardous Polymerisation will not occur

**11 – TOXICOLOGICAL INFORMATION**

This preparation contains 1,3,5 - Triazine - 2,4,6 (1H, 3H, 5H) - trione, 1, 3 - dichloro-, sodium salt (sodium dichloroisocyanuric acid) at levels that may produce a biological effect.

This ingredient is moderately toxic by ingestion. It is extremely irritating to the eyes and skin. No specific toxicological information is available for this preparation, only for the above ingredient.

Ingredient	Weight in Product (% w/w)	Acute Toxicity - Oral	Acute Toxicity - Inhalation	Acute Toxicity - Derma	Skin Irritation	Eye Irritation
Sodium Dichloroisocyanurate acid	50.25	LD50 (rat) 1670mg/Kg	No Reports Found	LD50 (rabbit) >5.0g/Kg	Rabbit 500mg/24 Hour Mild - Severe Corrosive	Rabbit 10mg/24 Hour Corrosive

Respiratory Tract	Mutagenicity	Carcinogenicity	Reproductive Toxicity	Sensitisation - Skin	Sensitisation - Respiratory	Repeated-Dose Toxicity
Irritant/Corrosive	Not known or reported to be mutagenic	No known or reported effects by IARC, OSHA, NTP or EPA	No known or reported effects on reproductive function or foetal development	No Reports Found	No Reports Found	No Reports Found

**12 – ECOLOGICAL INFORMATION**

**Toxicity** This preparation is likely to be highly toxic to freshwater fish and invertebrates

Species	Sodium Dichloroisocyanurate acid
Daphnia Magna	No Data Available
Rainbow Trout	LC50 (96 hr): 0.37ppm, Highly Toxic
Bluegill Sunfish	LC50 (96 hr): 0.43ppm, Highly Toxic
Mallard Duck	Oral LD50: 1916mg/Kg Slightly Toxic
Mallard Duck	8 day Dietary LC50: >10,000ppm Practically non-toxic
Bobwhite Quail	8 day Dietary LC50: >10,000ppm Practically non-toxic

**Persistence** This preparation will readily biodegrade

**Bioaccumulation** This preparation is believed to be unlikely to bioaccumulate

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## 13 – DISPOSAL CONSIDERATIONS

<b>Product Disposal</b>	Do not put product, spilled product, partially filled containers into the waste compactor. Contact with incompatible materials could cause a reaction and fire. Do not transport damp or wet material. Neutralise materials to a non-oxidising state for safe disposal.
<b>Disposal of Packaging</b>	Clean Container and dispose of according to local and national regulations

## 14 – TRANSPORT INFORMATION

Not Regulated

## 15 – REGULATORY INFORMATION

<b>Indication of Danger</b>	O X <sub>i</sub>	Oxidising Irritant
<b>Risk Phrases</b>	R8 R31 R36/37	Contact with combustible materials may cause fire Contact with acids liberates toxic gases Irritating to eye and respiratory system
<b>Safety Phrases</b>	S2 S8 S26  S41 S60	Keep out of reach of children Keep container dry In case of contact with eyes, rinse immediately with plenty of water and seek medical advice In case of fire or explosion, do not breathe fumes This preparation and its container must be disposed of as hazardous waste

## 16 – OTHER INFORMATION

The above information is intended to give general guidance as to health and safety. Whilst it is correct to the best of our knowledge and belief, no warranty can be given or implied that it will be adequate or applicable for all cases nor that the product will be suitable for any particular purpose since conditions of use are outside our control