

# Material Safety Data Sheet

## Extra-Action

### 1. Product and company identification

<b>Product name</b>	: Extra-Action
<b>Material uses</b>	: Carpet cleaner.
<b>Supplier/Manufacturer</b>	: V-TO Inc. 2975, Nelson Saint-Hyacinthe QC J2S 1Y5 Tél: (450) 774-6849 Fax:(450) 774-4334
<b>Responsible name</b>	: Atrion Regulatory Services, Inc.
<b>In case of emergency</b>	: CANUTEC (613) 996-6666 (Canada)

### 2. Hazards identification

<b>Physical state</b>	: Solid. [Powder.]
<b>Odor</b>	: Cherry.
<b>OSHA/HCS status</b>	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Emergency overview</b>	: DANGER! CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS. OXIDIZER. CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE. MAY BE HARMFUL IF SWALLOWED.  Contact with combustible material may cause fire. This material increases the risk of fire and may aid combustion. Corrosive to the eyes, skin and respiratory system. Causes burns. May be harmful if swallowed. Keep away from combustible material. Do not ingest. Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use. Wash thoroughly after handling.
<b>Routes of entry</b>	: Dermal contact. Eye contact.
<b>Potential acute health effects</b>	
<b>Inhalation</b>	: Corrosive to the respiratory system.
<b>Ingestion</b>	: Harmful if swallowed. May cause burns to mouth, throat and stomach.
<b>Skin</b>	: Corrosive to the skin. Causes burns.
<b>Eyes</b>	: Corrosive to eyes. Causes burns.
<b>Potential chronic health effects</b>	
<b>Chronic effects</b>	: No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.
<b>Over-exposure signs/symptoms</b>	
<b>Inhalation</b>	: Adverse symptoms may include the following: respiratory tract irritation coughing
<b>Ingestion</b>	: Adverse symptoms may include the following: stomach pains

## 2 . Hazards identification

**Skin** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur

**Eyes** : Adverse symptoms may include the following:  
pain  
watering  
redness

**Medical conditions aggravated by over-exposure** : None known.

See toxicological information (section 11)

## 3 . Composition/information on ingredients

### United States

Name	CAS number	%
Disodium metasilicate	6834-92-0	30 - 60
Sodium Tripolyphosphate	7758-29-4	30 - 60
Sodium carbonate	497-19-8	30 - 60
Sodium Perborate	7632-04-4	5 - 10

### Canada

Name	CAS number	%
Disodium metasilicate	6834-92-0	30 - 60
Sodium Tripolyphosphate	7758-29-4	30 - 60
Sodium carbonate	497-19-8	30 - 60
Sodium Perborate	7632-04-4	5 - 10

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## 4 . First aid measures

**Eye contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.

**Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention immediately.

**Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## 5 . Fire-fighting measures

- Flammability of the product** : Non-flammable.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
  - Not suitable** : None known.
- Special exposure hazards** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
phosphorus oxides  
metal oxide/oxides
- 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.

## 6 . Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled 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**
- Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
  - Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

## 7 . Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from combustible material. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : See NFPA 430, Code for the Storage of Liquid and Solid Oxidizers. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from reducing agents and combustible materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8 . Exposure controls/personal protection

### United States

**Product name**

Sodium Tripolyphosphate

Sodium Perborate

**Exposure limits**
**ACGIH TLV (United States).**
TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Dust
**ACGIH TLV (United States, 1/2008).**
STEL: 6 mg/m<sup>3</sup> 15 minute(s).TWA: 2 mg/m<sup>3</sup> 8 hour(s).

### Canada

**Product name**

Sodium Tripolyphosphate

Sodium Perborate

**Exposure limits**
**ACGIH TLV (United States).**
TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Dust
**CA British Columbia Provincial (Canada, 7/2007).**
TWA: 2 mg/m<sup>3</sup> 8 hour(s). Form: InhalableSTEL: 6 mg/m<sup>3</sup> 15 minute(s). Form: Inhalable
**Consult local authorities for acceptable exposure limits.**
**Recommended monitoring procedures**

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Engineering measures**

: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protection**
**Eyes**

: Safety glasses.

**Skin**

: Not required under normal conditions of use.

**Respiratory**

: Dust respirator.

**Hands**

: Natural rubber (latex).

**Personal protective equipment (Pictograms)**

**HMIS Code/Personal protective equipment**

: -

**Environmental exposure controls**

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## 9 . Physical and chemical properties

<b>Physical state</b>	: Solid. [Powder.]
<b>Odor</b>	: Cherry.
<b>pH</b>	: 11.8 [Conc. (% w/w): 1%]
<b>Melting/freezing point</b>	: Weighted average: 736.5°C (1357.7°F)
<b>Solubility</b>	: Soluble in the following materials: cold water and hot water.

## 10 . Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Hazardous polymerization</b>	: Will not occur.

<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
<b>Conditions of reactivity</b>	: Not considered to be a product presenting a risk of explosion.

## 11 . Toxicological information

### Acute toxicity

Product/ingredient name	Species	Dose	Result	Exposure
Disodium metasilicate	Rat	1153 mg/kg	LD50 Oral	-
Sodium Tripolyphosphate	Rat	3120 mg/kg	LD50 Oral	-
Sodium carbonate	Rat	4090 mg/kg	LD50 Oral	-
Sodium Perborate	Rat	2660 mg/kg	LD50 Oral	-

<b>Inhalation</b>	: Corrosive to the respiratory system.
<b>Ingestion</b>	: Harmful if swallowed. May cause burns to mouth, throat and stomach.
<b>Skin</b>	: Corrosive to the skin. Causes burns.
<b>Eyes</b>	: Corrosive to eyes. Causes burns.

### Carcinogenicity

#### Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Sodium Perborate	A4	-	-	-	-	-

## 12 . Ecological information

<b>Environmental effects</b>	: No known significant effects or critical hazards.
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### Aquatic ecotoxicity

Product/ingredient name	Species	Exposure	Result
Sodium Tripolyphosphate	Daphnia	48 hours	Acute EC50 276.61 to 321.01 mg/L

## 13 . Disposal considerations









**Waste disposal** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14 . Transport information

AERG : 140

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
<b>DOT Classification</b>	UN3085	OXIDIZING SOLID, CORROSIVE, N.O.S. (Disodium metasilicate, Sodium Perborate)	5.1 (8)	II	 	-
<b>TDG Classification</b>	UN3085	OXIDIZING SOLID, CORROSIVE, N.O.S. (Disodium metasilicate, Sodium Perborate)	5.1 (8)	II	 	-
<b>IMDG Class</b>	UN3085	OXIDIZING SOLID, CORROSIVE, N.O.S. (Disodium metasilicate, Sodium Perborate)	5.1 (8)	II	 	-
<b>IATA-DGR Class</b>	UN3085	OXIDIZING SOLID, CORROSIVE, N.O.S. (Disodium metasilicate, Sodium Perborate)	5.1 (8)	II	 	-

PG\* : Packing group

## 15 . Regulatory information

### United States

#### HCS Classification

: Oxidizing material  
Corrosive material

#### U.S. Federal regulations

: **United States inventory (TSCA 8b):** All components are listed or exempted.  
**SARA 302/304/311/312 extremely hazardous substances:** No products were found.  
**SARA 302/304 emergency planning and notification:** No products were found.  
**SARA 302/304/311/312 hazardous chemicals:** Disodium metasilicate; Sodium Tripolyphosphate; Sodium carbonate  
**SARA 311/312 MSDS distribution - chemical inventory - hazard identification**  
 Disodium metasilicate: Immediate (acute) health hazard, Delayed (chronic) health hazard; Sodium Tripolyphosphate: Immediate (acute) health hazard; Sodium carbonate: Immediate (acute) health hazard, Delayed (chronic) health hazard  
**Clean Water Act (CWA) 307:** No products were found.  
**Clean Water Act (CWA) 311:** Sodium Tripolyphosphate  
**Clean Air Act (CAA) 112 accidental release prevention** No products were found.  
**Clean Air Act (CAA) 112 regulated flammable substances** No products were found.  
**Clean Air Act (CAA) 112 regulated toxic substances** No products were found.

#### State regulations

: **Connecticut Carcinogen Reporting:** None of the components are listed.  
**Connecticut Hazardous Material Survey:** None of the components are listed.  
**Florida substances:** None of the components are listed.  
**Illinois Chemical Safety Act:** None of the components are listed.  
**Illinois Toxic Substances Disclosure to Employee Act:** None of the components are listed.  
**Louisiana Reporting:** None of the components are listed.  
**Louisiana Spill:** None of the components are listed.  
**Massachusetts Spill:** None of the components are listed.  
**Massachusetts Substances:** The following components are listed: Sodium Tripolyphosphate  
**Michigan Critical Material:** None of the components are listed.  
**Minnesota Hazardous Substances:** None of the components are listed.  
**New Jersey Hazardous Substances:** The following components are listed: Sodium Tripolyphosphate  
**New Jersey Spill:** None of the components are listed.  
**New Jersey Toxic Catastrophe Prevention Act:** None of the components are listed.  
**New York Acutely Hazardous Substances:** The following components are listed: Sodium Tripolyphosphate  
**New York Toxic Chemical Release Reporting:** None of the components are listed.  
**Pennsylvania RTK Hazardous Substances:** The following components are listed: Sodium Tripolyphosphate  
**Rhode Island Hazardous Substances:** None of the components are listed.

### Canada

#### WHMIS (Canada)

: Class C: Oxidizing material.  
Class E: Corrosive material



## 15 . Regulatory information

- Canadian lists** : **CEPA Toxic substances:** None of the components are listed.  
**Canadian ARET:** None of the components are listed.  
**Canadian NPRI:** None of the components are listed.  
**Alberta Designated Substances:** None of the components are listed.  
**Ontario Designated Substances:** None of the components are listed.  
**Quebec Designated Substances:** None of the components are listed.

- Canada inventory** : All components are listed or exempted.

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.

### International regulations

- International lists** : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, in Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

## 16 . Other information

- Label requirements** : CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.  
 OXIDIZER.  
 CONTACT WITH OTHER MATERIAL MAY CAUSE FIRE.  
 MAY BE HARMFUL IF SWALLOWED.

### Hazardous Material Information System (U.S.A.)

Health	3
Fire hazard	0
Physical Hazard	1
Personal protection	-

### HAZARD RATINGS

- 4- Extreme  
 3- Serious  
 2- Moderate  
 1- Slight  
 0- Minimal

See section 8 for more detailed information on personal protection.

The customer is responsible for determining the PPE code for this material.

### National Fire Protection Association (U.S.A.)



- References** : ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005.

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### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.