MATERIAL SAFETY DATA SHEET

JohnsonDiversey
Clean is just the beginning

CLAX

Launch

HMIS		NFPA	Personal protective equipment
Health	3	3	
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 2 *Preparation date: 2008-01-29*

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Launch

MSDS #: F-00575001
Product Code: 3367318, 3419051, 3419069, 3419077, 3419085, 3656734
Recommended use: Laundry care.

Manufacturer, importer, supplier:

US Headquarters
JohnsonDiversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-0902
Phone: 1-888-352-2249
MSDS Internet Address:
www.johnsondiversey.com

Canadian Headquarters
JohnsonDiversey - Canada, Inc.
2401 Bristol Circle
Oakville, Ontario L6H 6P1
Phone: 1-800-668-3131

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
DANGER. POISON. MAY BE FATAL IF ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED OR INHALED. FIRST AID: Responders should put on appropriate personal protective equipment (goggles & gloves) to protect themselves before assisting victims. Burns may not be immediately obvious or painful. Can cause hypocalcemia resulting in possibly fatal, delayed ventricular fibrillation. DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS.

Principle routes of exposure: Eye contact. Inhalation. Ingestion. Skin contact.
Eye contact: Corrosive. Causes permanent eye damage, including blindness.
Skin contact: Corrosive. May cause permanent damage. Also very toxic in contact with skin.
Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion: Causes burns to mouth, throat and stomach.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Fluorosilicic acid	16961-83-4	10 - 20%	125	Not available	=1.11 mg/L (1 h)

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes for 15 minutes with flowing water. Take the victim to a physician as soon as possible. If possible, apply ice water compresses during transport.

Skin contact: Responders should put on appropriate personal protective equipment to protect themselves before assisting victims. Immediately remove all contaminated clothing. Immediately flush the affected area for five minutes with large amounts of water. While the victim is being rinsed with water, have someone call to arrange medical treatment. If the exposure is to the eyes face, groin, or covers a large area, call 911. For smaller exposure,(i.e. A few drops on the skin), call a physician or poison control center. Immediately after flushing with water start massaging 2.5% calcium glucagon gel into the burn site. Responders must wear gloves when applying the gel to prevent secondary HF burns to their hands. Apply the gel every 15 minutes and massage until pain/redness ceases or professional medical care is available .

Inhalation: Immediately move the victim to fresh air. Call 911. Inhalation of HF fumes may cause swelling in the respiratory tract up to 24 hours after exposure. Persons who have inhaled HF fumes may need prophylactic oxygen treatment and should be seen by a physician as soon as possible.

Ingestion: DO NOT induce vomiting. If able to swallow, offer sips of water or milk. GET MEDICAL ATTENTION IMMEDIATELY. Never give anything by mouth to an unconscious person.

4. FIRST AID MEASURES

Notes to physician: Treat symptomatically.
Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptable to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Use dry chemical, CO2, water spray or "alcohol" foam.
Specific hazards: Thermal decomposition can lead to release of irritating gases and vapors.
Unusual hazards: Corrosive material (See sections 8 and 10).
Specific methods: No special methods required.
Autoignition temperature: No information available.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling:
Avoid contact with skin, eyes and clothing. Do not taste or swallow. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR COMMERCIAL AND INDUSTRIAL USE ONLY. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage:
Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
Respiratory protection is not required if good ventilation is maintained.

Personal Protective Equipment

Eye protection: Goggles.
Hand protection: Chemical-resistant gloves Includes rubber gloves
Skin and body protection: Chemical resistant apron. Protective footwear.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs . Avoid contact with skin, eyes and clothing .

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	**Bulk density:**	No information available
pH:	2.0	**Dilution pH:**	2.4 (1%)
Appearance:	Aqueous solution	**Vapor density:**	No information available
Color:	Clear Colorless	**Evaporation Rate**	No information available
Odor:	No Odor/Odorless	**Boiling point/range:**	Not determined
Specific gravity:	1.1	**Melting point/range:**	Not determined
Density:	9.18	**Decomposition temperature:**	Not determined
VOC:	0% *	**Autoignition temperature:**	No information available
Flash point:	>200°F >93.3°C	**Partition coefficient (n-octanol/water):**	No information available
Solubility:	completely soluble	**Solubility in other solvents:**	No information available
Viscosity:	No information available	**Elemental Phosphorus:**	0 %P

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Stability: Stable.
Polymerization: Hazardous polymerization does not occur.
Hazardous decomposition products: Hydrogen fluoride .
Materials to avoid: Ammonia. Strong oxidising agents. Do not mix with chlorinated products.
Conditions to avoid: No special storage conditions required.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD50 estimated to be between 200 - 2000 mg/kg Dermal LD50 estimated to be between 400 - 2000 mg/kg

Component Information: See Section 3

Chronic toxicity: None known

Specific effects

Carcinogenic effects: No information available.
Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: No data available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:
Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of in compliance with all Federal, state, provincial, and local laws and regulations. Incineration is the preferred method. Relatively small quantities of product may be neutralized as stated above, and if in accordance with local laws and the operators of the local sewage treatment plant, the neutralized material may be discharged into the sewer system .

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories
All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), Japan (ENCS), Philippines (PICCS), New Zealand (NZIoC), China (IECSC).

U.S. Regulations
California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Fluorosilicic acid	16961-83-4	X	X	-	-

CERCLA/ SARA
None

SARA 311/312 Hazard Categories

Canada
WHMIS hazard class: D1B Toxic materials , E Corrosive material .

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

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