



Factor Plus

HMIS		NFPA	Personal protective equipment
Health	2	2	
Fire Hazard	0	0	
Reactivity	0	0	

Version Number: 1

Preparation date: 2005-12-22

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Factor Plus

MSDS #: 301200693001

Product code: 3717955

Recommended use: Laundry care.

Manufacturer, importer, supplier:
 US Headquarters: Canadian Headquarters
 JohnsonDiversey, Inc. JohnsonDiversey - Canada, Inc.
 8310 16th St. 2401 Bristol Circle
 Sturtevant, Wisconsin 53177-0902 Oakville, Ontario L6H 6P1
 Phone: 1-888-352-2249 Phone: 1-800-668-3131
 MSDS Internet Address:
 www.johnsondiverse.com

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

WARNING. CAUSES EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED .

Principle routes of exposure: Eyes. Skin. Ingestion. Inhalation.
Eye contact: Severe eye irritation.
Skin contact: Moderately irritating to the skin.
Inhalation: May be irritating to nose, throat, and respiratory tract.
Ingestion: Ingestion may cause gastrointestinal irritation .

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	497-19-8	30 - 40%	4090 mg/kg (rat)	Not available	Not available
Silica gel	112926-00-8	5 - 10%	Not available	Not available	Not available
Tetrasodium pyrophosphate	7722-88-5	1 - 5%	4 g/kg (rat)	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, get medical attention.

Skin contact: Flush immediately with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

Inhalation: If breathing is affected, remove to fresh air. Get medical attention.

Ingestion: Do not induce vomiting. Immediately drink one cupful of water or milk. Never give anything by mouth to an unconscious person. Get medical attention.

Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: The product is not flammable. Dry chemical, water spray, foam, carbon dioxide.

Specific hazards: None known.

Unusual hazards: None known.

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: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment
Environmental precautions and clean-up methods: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing and footwear before re-use. Wash thoroughly after handling. Do not breathe dust. Do not taste or swallow. FOR COMMERCIAL AND INDUSTRIAL USE ONLY. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Keep this product dry in original tightly closed container when not in use. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

No special ventilation requirements.

Personal Protective Equipment

Eye protection: Safety glasses with side-shields.
Hand protection: No special requirements under normal use conditions Rubber gloves recommended for prolonged or repeated skin contact
Skin and body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions. In case of insufficient ventilation wear suitable respiratory equipment.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Silica gel	112926-00-8	10 mg/m ³ (TWA) 3 mg/m ³ (TWA)	5 mg/m ³ Respirable fraction. 15 mg/m ³ Total dust.	10 mg/m ³ (TWA) 3 mg/m ³ (TWA)
Tetrasodium pyrophosphate	7722-88-5	5 mg/m ³ (TWA)		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Bulk density:	No information available
pH:	No information available	Dilution pH:	No information available.
Appearance:	Powder	Vapor density:	No information available
Color:	White	Evaporation rate:	No information available
Odor:	Odorless	Boiling point/range:	Not determined
Specific gravity:	No information available	Melting point/range:	Not determined
Density:	No information available.	Decomposition temperature:	Not determined
VOC:	0.0	Autoignition temperature:	No information available
Flash point:	>200 (°F) >93.3 (°C)	Viscosity:	No information available
Solubility:	Soluble	Partition coefficient (n-octanol/water):	No information available
		Solubility in other solvents:	No information available

10. STABILITY AND REACTIVITY

Stability: The product is stable
Polymerization: Hazardous polymerisation does not occur.
Hazardous decomposition products: None reasonably foreseeable..
Conditions to avoid: No special storage conditions required.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral LD50 estimated to be between 4000 - 5000 mg/kg Dermal LD50 estimated to be > 2000 mg/kg
Component Information: See Section 3
Chronic toxicity: None known .
Specific effects
Carcinogenic effects: None known

Mutagenic effects: None known
Reproductive toxicity: None known
Target organ effects: None known

12. ECOLOGICAL INFORMATION

Environmental Information: When used for its intended purpose this product should not cause adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:
 Dispose of according to all federal, state and local applicable regulations

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), 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:	ILRTK:	CTRTK:
Sodium carbonate	497-19-8	-	-	-	-	-	-
Silica gel	112926-00-8	Listed	-	Listed	Listed	Listed	-
Alcohol ethoxylate	68002-97-1	-	-	-	-	-	-
Tetrasodium pyrophosphate	7722-88-5	Listed	Listed	Listed	Listed	-	-
Sodium tripolyphosphate	7758-29-4	Listed	Listed	Listed	-	-	Listed

CERCLA / SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium tripolyphosphate	7758-29-4	20 - 30%	5000		

None

CAA HAP/CAA ODS/CWA Priority Pollutants: None

Canada

WHMIS hazard class: D2B Toxic materials .



Ingredient(s)	CAS #	NPRI
Silica gel	112926-00-8	Listed

16. OTHER INFORMATION

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

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