

Material Safety Data Sheet

Section 1. Chemical Production and Company Information

Product Name:	IMPACT PLUS	Effective date: 06/15/2009
Synonym / Use:	Degreaser / Cleaner	
Chemical family:	Not applicable	National Fire Protection Association (NFPA)
Product Number:	IMPACT PLUS	Health: 3
Supersedes:		Fire Hazard: 1
		Reactivity: 0
		0 = None 4 = Extreme
Manufactured for:	Janilink Inc. 3545 McCall Pl. Suite-D Doraville, Georgia 30340 Phone (770) 216-9977	
		Hazardous Material Information System (HMIS)
		Health: 3
		Fire Hazard: 1
		Reactivity: 0
		0 = None 4 = Extreme
Emergency Phone Number:	(770) 216-9977	
Fax Phone Number:	(770) 220-0553	
Prepared By:		Personal Protective Equipment
		C – safety Glasses, Gloves, Alkali Resistant Apron

Shipping Description: Compounds cleaning liquid, Class 8, NA1760, PG II, Corrosive (contains sodium hydroxide, and Sodium Metasilicate).

Section 2. Hazardous Ingredients

Hazardous Ingredients:	CAS NO.	% WEIGHT	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	<10	50 ppm	20 ppm
Sodium Hydroxide	1310-73-2	<10	2 ppm	2 ppm
Sodium Metasilicate Pentahydrate	10213-79-3	<4	N/A	N/A

Section 3. Physical Data

Boiling Point	100°C (212°F)
Vapor Pressure	N/A
Vapor Density	N/A
Specific Gravity @ 25°C (Water = 1)	1.070 Typical
Solubility In Water	Complete
pH	13.2 (Typical)
Appearance	Clear, Purple
Odor	Mild, Pleasant
Physical State	Liquid

Section 4. Fire & Explosion Hazard Data
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Flash Point, ASTM-D56 None to boiling

Flammable Limits	N/A
LEL	N/A
UEL	N/A

Extinguishing Media	Small Fire: Use dry chemical powder Large Fire: Use water spray, fog, or foam
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Special Fire Fighting Procedures	Must wear MSHA/NIOSH approved self-contained breathing apparatus and protective clothing
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Unusual Fire & Explosion Hazards	Vapors may be heavier than air and may travel along the ground or be moved by ventilation and ignited by open flames or heat. Never use welding or cutting torch on or near drum, even when empty.
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Section 5. Health Hazard Data

Threshold Limit Value (TLV)	Not Established
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Permissible Exposure Limit	Not Established
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Primary Routes of Entry	Skin Contact. Inhalation.
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Potential Acute Health Effects:	Eyes: Can cause severe irritation or burns Skin: Can cause severe irritation or burns with prolonged skin contact Note: 2-Butoxyethanol is absorbed through the skin, which may affect the liver, kidney, lymph, and blood systems. Ingestion: May be harmful if swallowed Inhalation: May be harmful if inhaled for prolonged periods, causing nausea, throat irritation, and headaches.
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Potential Chronic Health Effects:	Persons with pre-existing skin disorders may be more susceptible to irritation.
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Carcinogenic Effects:	OSHA: No ACGIH: No NTP: No IARC: No
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Emergency & First aid Procedures

Eye Contact	flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyelids with water. If present, remove contact lenses after the first 5 minutes. And then continue rinsing. Continue rinsing, and call a poison control center or doctor for treatment advice.
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Skin Contact	Wash with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing, wash before reuse. If irritation persists, call a poison control center or doctor for treatment advice.
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Inhalation	remove person to fresh air as soon as possible. Call a poison control center or doctor if respiratory irritation develops or if breathing becomes difficult.
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Ingestion	Call a poison control center or doctor immediately for treatment advice. Do not give anything by mouth to a convulsing or unconscious person, immediately drink a large quantity of water (2 glasses of water). DO NOT induce vomiting. If vomiting occurs, give fluids again. Call a poison control center or doctor immediately for treatment advice.
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Section 6. Reactivity Data

Stability	Stable
Incompatibility	Strong acids, and strong oxidizers
Hazardous Decomposition Products	Thermal decomposition may produce carbon dioxide, possibly carbon monoxide
Hazardous Polymerization	None

Section 7. Spill or Leak Procedures	
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Small Spill and Leak	Eliminate sources of ignition. Working from the perimeter of the spill area in, dilute the spill area with water, and pick up with a mop. Or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill and Leak	Eliminate sources of ignition. Dike and contain spill with inert material (ex. Sand, earth) and transfer spilled material to an appropriate waste disposal container. Dilute the remaining spill area with water and dispose of according to local and regional authority requirements.
Personal Protection	Small Spills: Wear splash goggles, impervious gloves, and boots. Large Spills: Wear full protective suit, splash goggles, impervious gloves, and boots. Consult a specialist before handling large spill to assure protective clothing is sufficient.

Section 8. Control Measures / Personal Protections	
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Respiratory Protection	None required.
Mechanical Ventilation	Local exhaust ventilation may be necessary for high exposure operations.
Eye Protection	Approved safety glasses
Skin Protection	Solvent resistant gloves
Other Protective Equipment	Under conditions of high exposure, alkali resistant aprons and boots are suggested

Section 9. Special Precautions	
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Handling & Storage	wash hands after any contact. Store in a cool, dry, ventilated area away from any heat sources, or open flame. Do not allow freezing, keep containers tightly closed when not in use, do not contaminate drinking water, food or feed by storage or disposal. For institutional and commercial use, keep out of reach of children.
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