

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : 00128 GLASS CLEANER FPPF
 IDENTIFICATION NUMBER: 0637-B A-0091 DATE PRINTED: 10/27/09
 PRODUCT USE/CLASS : GLASS CLEANER

MANUFACTURED FOR:
 FPPF CHEMICAL CORP.
 117 WEST TUPPER STREET
 BUFFALO, NY 14201
 INFORMATION: 716 856-9607
 FAX: 716 856-0750

EMERGENCY TELEPHONE: 800 424-9300 EMERGENCY AGENCY: CHEMTREC
 24 HOURS 1-800-424-9300 (24 HOURS)

PREPARER: CUSTOMER SERVICE, PHONE: , PREPARE DATE: 10/27/09

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WEIGHT %
01	PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	1-10
02	ISOPROPYL ALCOHOL	67-63-0	1-10
03	2-BUTOXYETHANOL	111-76-2	1-10

ITEM	ACGIH		OSHA		COMPANY	SKIN
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	
01	1000 PPM	N.E.	800 PPM	N.E.	N.E.	YES
02	400 PPM	500 PPM	400 PPM	N.E.	N.E.	NO
03	25 PPM SKIN	N.E.	25 PPM SKIN	50 PPM SKIN	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: Causes eye irritation.
 INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE

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SECTION 3 - HAZARDS IDENTIFICATION

CONTENTS MAY BE HARMFUL OR FATAL. CONTENTS UNDER PRESSURE!

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Causes irritation, redness, and pain

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - INHALATION: INHALING LARGE QUANTITIES OF MIST OR VAPORS MAY CAUSE SOME IRRITATION TO NOSE, THROAT, LUNGS. Avoid breathing mists from this product. Headache. Dizziness.

EFFECTS OF OVEREXPOSURE - INGESTION: Ingestion is not considered to be a hazard encountered in normal industrial use. Product has expected low level of acute toxicity based on data from similar products. Low order of toxicity. May cause mild nausea and abdominal discomfort. Depression of the central nervous system can occur. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Repeated contact with skin may irritate pre-existing skin conditions.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION INGESTION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. If wearing contact lenses remove at once. Holding eyelids open, flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and large amounts of water. Remove contaminated clothing. Get medical attention if irritation develops or persists. Wash contaminated clothing before re-use.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: Not expected to be acutely toxic. If large amounts are swallowed, immediately call a physician. If swallowed, call a physician or poison control center immediately. Do not induce vomiting

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SECTION 4 - FIRST AID MEASURES

without medical advice. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -68.9 C
(PENSKEY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: 1.1 %
UPPER EXPLOSIVE LIMIT: 12.0 %

AUTOIGNITION TEMPERATURE: ND

EXTINGUISHING MEDIA: ALCOHOL FOAM CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure.

Containers may explode if exposed to high temperatures.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Keep containers and surroundings cool with water spray. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use recommended personal protective equipment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Avoid runoff into storm sewers and ditches which lead to waterways. Do not flush into surface water or sanitary sewer system.

SECTION 7 - HANDLING AND STORAGE

AEROSOL LEVEL: 1

HANDLING: Wash thoroughly after handling. Ensure all equipment is electrically grounded before beginning transfer operations.

STORAGE: Keep away from heat, sparks and flame. Keep from freezing. Keep container closed when not in use. KEEP OUT OF THE REACH OF CHILDREN! Do not store above 120F (49C). Do not spray into open flame or near other sources of ignition. Do not store in direct sunlight, puncture, crush or

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SECTION 7 - HANDLING AND STORAGE

incinerate container.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels. Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Use explosion-proof ventilation equipment.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION: Wear impervious protective clothing, including boots, gloves, protective apron or coveralls to prevent skin contact. Latex or nitrile gloves may be worn.

EYE PROTECTION: Wear safety glasses with side shields or goggles when using this product.

OTHER PROTECTIVE EQUIPMENT: STANDARD INDUSTRIAL CLOTHING STANDARDS SHOULD BE FOLLOWED.

HYGIENIC PRACTICES: Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES
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BOILING RANGE	: -24 -171 C	VAPOR DENSITY	: Is heavier than air
ODOR	: LEMON	ODOR THRESHOLD	: ND
APPEARANCE	: CLEAR	EVAPORATION RATE:	Is faster than Butyl Acetate
SOLUBILITY IN H2O	: MISCIBLE	SPECIFIC GRAVITY:	0.9510
FREEZE POINT	: ND	pH @ 100.0 %	: 10.5
VAPOR PRESSURE	: ND	VISCOSITY	: ND
PHYSICAL STATE	: AEROSOL	COEFFICIENT OF WATER/OIL DISTRIBUTION:	ND
VOLATILE ORGANIC COMPOUNDS (VOCS): 0.85 lbs/gal, 102 grams/ltr			

VOC, % (wt): 10.69%

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid contact with strong bases. Avoid contact with strong oxidizing agents. ALL SOURCES OF IGNITION, WELDING ARCS, AND OPEN FLAMES. Keep product away from temperatures in excess of 120F (49C). Do not crush, puncture or incinerate container. Do not expose to direct sunlight or store where temperatures could exceed 120F.

INCOMPATIBILITY: Strong mineral acids and strong oxidizing agents. Halogens. Strong Bases.

HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, ALDEHYDES, HYDROCARBONS.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

PRODUCT LD50: 470 mg/kg

PRODUCT LC50: 2900 ppm

COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME -----	----- LD50 -----	----- LC50 -----
PROPANE/ISOBUTANE/N-BUTANE	NE	658000 MG/M3/4HRAT
ISOPROPYL ALCOHOL	5045 MG/KG/RAT	72600 MG/M3/RAT
2-BUTOXYETHANOL	470 MG/KG/RAT	2900 MG/M3/7H/RAT

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No data.

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SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: CONSUMER COMMODITY

DOT TECHNICAL NAME:

DOT HAZARD CLASS: ORM-D

HAZARD SUBCLASS:

DOT UN/NA NUMBER:

PACKING GROUP:

RESP. GUIDE PAGE:

DOT EXEMPTIONS:

DOT SPECIAL INSTRUCTIONS:

IMDG SHIPPING INFORMATION: UN1950

IMDG PROPER SHIPPING NAME: AEROSOLS

IMDG TECHNICAL NAME:

IMDG HAZARD CLASS: 2.2

HAZARD SUBCLASS:

PACKING GROUP:

FLASH POINT, C: ND

IMDG EXEMPTIONS: LIMITED QUANTITY

IMDG SPECIAL INSTRUCTIONS:

MARINE POLLUTANT (YES/NO): N

IATA SHIPPING INFORMATION: UN1950

IATA PROPER SHIPPING NAME: AEROSOLS, NON-FLAMMABLE

IATA TECHNICAL NAME:

IATA HAZARD CLASS: 2.2

HAZARD SUBCLASS:

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SECTION 14 - TRANSPORTATION INFORMATION

PACKING GROUP:

IATA EXEMPTIONS: LIMITED QUANTITY

IATA SPECIAL INSTRUCTIONS:

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD PRESSURIZED
GAS HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
2-BUTOXYETHANOL	111-76-2	1-10

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
WATER	7732-18-5

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SECTION 15 - REGULATORY INFORMATION

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME -----	CAS NUMBER
WATER	7732-18-5

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME -----	CAS NUMBER
No Proposition 65 chemicals exist in this product.	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: A, D2B

SECTION 16 - OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 10/27/09

REASON FOR REVISION: UPDATE VOC, AEROSOL LEVEL, PHYSICAL PROPERTIES, TRANSPORTATION INFORMATION.

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

*** THIS MSDS IS NOT FOR REPRODUCTION OR DISTRIBUTION ***

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

<END OF MSDS>