Plastic Process Equipment, Inc.
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SAFETY DATA SHEET (SDS)

PRODUCT NAME: OMNI-PURGE (OPC-1)	
HEALTH HAZARD RATING:	(1)- SLIGHT HAZARD
FLAMMABILITY HAZARD RATING:	(0)- MINIMAL HAZARD
REACTIVITY HAZARD RATING:	(0)- MINIMAL HAZARD
PERSONAL PROTECTION:	(e)- SAFETY GLASSES, GLOVES, DUST RESPIRATOR
HAZARD ALERT SIGN:	

SECTION 1 – **IDENTIFICATION**	
PRODUCT IDENTIFIER	
PRODUCT NAME	Omni-Purge
MANUFACTURER'S NAME AND ADDRESS **EMERGENCY PHONE NO.**	Plastic Process Equipment, Inc. 8303 Corporate Park Dr. Macedonia, OH 44056 (800) 535-5053
SUPPLIER'S NAME AND ADDRESS **EMERGENCY PHONE NO.**	
CHEMICAL NAME	N/A
CHEMICAL FAMILY	N/A
TRADE NAME AND SYNONYMS	OMNI-PURGE
MATERIAL USE	Purging compound for plastic processing equipment

Plastic Process Equipment, Inc. has compiled the information and recommendations contained in this Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation.

Plastic Process Equipment, Inc. extends no warranty and assumes no responsibility as to the accuracy of the content or sufficiency of the information and expressly disclaims all liability for reliance thereon. This SDS provides guidelines for the safe handling of this product. It does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required. Individuals exposed to this product should read and understand this information and be provided pertinent training prior to working with this product.

Plastic Process Equipment, Inc. assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.

INGREDIENTS. This SDS, under section of Ingredients, contains all ingredients listed under INGREDIENT DISCLOSURE LIST P.C. 1987-2719, 20/1/88 CANADA GAZETTE PART II VOL. 122, No 2 of HAZARDOUS PRODUCT ACT.
Percentage range of concentration of ingredients is expressed as percentage by weight of the total weight of the product. Ingredient List does not necessarily list all ingredients in the formulation and does not necessarily list all ingredient range of concentration, other than ingredients under the Disclosure List.

T.L.V. (units) or Threshold Limit Values refer to the limiting concentrations recommended by the Ministry of Labour. These values were adopted by the American Conference of Governmental Industrial Hygienists (A.C.G.I.H.). The figures refer to time-weighted average concentrations as P.P.M. (V/V) or mg/m^3 for a normal working day or at any time for some materials.

"C.A.S REG. No." means the identification number assigned to a chemical substance by the Chemical Abstracts Service Division of the American Chemical Society.

"LC 50" means the concentration of a substance in air that when administered by means of inhalation over a specified length of time in an animal assay, is expected to cause the death of 50 per cent of a defined animal population.

"LD 50" means the single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause death of 50 per cent of a defined animal population.

FLASH POINT. The minimum temperature at which a substance gives off flammable vapors which in contact with spark or flame will ignite.

SECTION 2 - HAZARD IDENIFICATION



GHS CLASSIFICATION
Eye irritation - Category 2A
Specific target organ toxicity (single exposure)- Category 3 (respiratory tract irritation)

GHS Label Elements, including precautionary statements: Hazard Statements
Signal word- DANGER

HAZARD STATEMENTS
H319- Causes serious eye irritation
H302-Harmful if swallowed
H335- May cause respiratory irritation

PREVENTION (see also section 4 – First aid and measures)
P260: Do not breathe dust / mist
P280: Wear protective gloves/ protective clothing/ eye protection
P264: Wash skin thoroughly after handling
P405: Store locked up

RESPONSE
P305 + P351 + P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313: If eye irritation persists: Get medical advice / attention
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT INDUCE VOMITING
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician

POTENTIAL HEALTH EFFECTS
EYE: Will cause severe irritation. **SKIN:** May cause some irritation. **INGESTION:** May be harmful
INHALATION: May cause respiratory irritation

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	APPROXIMATE CONCENTRATION%	C.A.S., N.A. OR U.N. NUMBERS	LD50 {SPECIFY SPECIES & ROUTE}	LC 50 {SPECIFY SPECIES & ROUTE}
Ammonium Carbonate $(NH_4)2CO3$	5-15	506-87-6	Oral(Rat): 2150 mg/kg	
Purified Calcite (calcium Carbonate)	70-90	1317-65-3	Oral(Rat): 6450 mg/kg	
Infusorial Earth (Precipitated, Diatomaceous Earth)	5-15	61790-53-2	Oral(Rat): >8000 mg/kg Note: With any powder the recommended TLV for dust is 10 mg/ m^3. Threshold Limit Value as NH_3 is 25 ppm	

SECTION 4 – FIRST AID MEASURES	
SKIN CONTACT	In case of contact, immediately wash skin with large amounts of soap and water. If irritation develops or persists, seek medical attention.
EYE CONTACT	Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention.
INHALATION	Move victim to fresh air. If breathing has stopped, perform artificial respiration. In all cases of doubt, or when symptoms persist, seek medical attention.
INGESTION	Do not induce vomiting. Drink 1 or 2 glasses of water. Seek immediate medical attention. Never give anything by mouth to an unconscious or convulsing person. If vomiting occur spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.
NOTES TO PHYSICIAN	Treatment based on sound judgment of physician and individual reaction of patient.

SECTION 5 – FIRE-FIGHTING MEASURES	
FLASH POINT (^{0}C)	Not flammable
FLASH POINT METHOD	Not applicable
AUTOIGNITION TEMPERATURE (^{0}C)	Not applicable
UPPER FLAMMABLE LIMIT (% VOL.)	Not applicable
LOWER FLAMMABLE LIMIT (% VOL.)	Not applicable
HAZARDOUS COMBUSTION PRODUCTS	Ammonia gas (NH_3) and Carbon Dioxide (CO_2)
UNUSUAL FIRE/ EXPLOSION HAZARDS	Generation of Ammonia gas may be an explosion hazard
SENSITIVITY TO MECHANICAL IMPACT	Not sensitive
SENSITIVITY TO STATIC DISCHARGE	Not sensitive
EXTINGUISHING MEDIA	Water spray, foam, dry powder or Carbon Dioxide. Use media appropriate for surrounding fire
SPECIAL FIRE FIGHTING PROCEDURES	Fire fighters should wear full protective clothing, including self-contained breathing equipment

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
LEAK AND SPILL PROCEDURE	Sweep up or vacuum and place in an appropriate container. Avoid raising dust
ENVIRONMENTAL PRECAUTIONARY	Prevent entry into sewers or streams.
PERSONAL PRECAUTIONARY MEASURES	Wear protective clothing during cleanup

SECTION 7 – HANDLING AND STORAGE	
HANDLING PROCETURES	Avoid creation of dust. Avoid contact with eyes and skin. Avoid inhalation and ingestion. Wash skin thoroughly after handling. Use good industrial hygiene practices in handling this product. Keep container closed when not in use.
STORAGE NEEDS	Keep container tightly closed. Store in a cool, dry, well ventilated area. Note: 10 gms of this product will produce 532.21 ml of Ammonia and Carbon Dioxide gas @ 135^{0}C

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION	
VENTILATION REQUIREMENTS	General ventilation is recommended.
PROTECTIVE EQUIPMENT	Ensure that eyewash stations are proximal to the work-station location
EYE/TYPE	Goggles or safety glasses with side shields
RESPIRATORY/TYPE	If exposure exceeds occupational limits, use an appropriate NIOSH / OSHA approved respirator
GLOVE/TYPE	Impervious gloves
FOOTWEAR/TYPE	No special footwear is required
BODY/TYPE	No special protective clothing is required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE – PHYSICAL STATE	White powder
ODOUR	Trace of Ammonia odor
ODOUR THRESHOLD (PPM)	Not available
PH	9.30 ±0.50 in water
MELTING POINT (^{0}C)	Not applicable
BOILING POINT (^{0}C)	Not applicable
FREEZING POINT (^{0}C)	Not applicable
EVAPORATION RATE	Not applicable
FLAMMABILITY	Not applicable
FLASH POINT (^{0}C)	Not applicable
AUTO IGNITION TEMPERATURE	Not applicable
DECOMPOSITION TEMPERATURE	Not available
VAPOUR DENSITY	Not applicable
VAPOUR PRESSURE	Not applicable
SOLUBILITY	Not soluble in water
VISCOSITY	Not applicable
% VOLATILE BY VOLUME	Nil
SPECIFIC GRAVITY	2.53 ± 0.05 gm / cm^3

SECTION 10 – STABILITY AND REACTIVITY	
REACTIVITY	With strong acids
CHEMICAL STABILITY	Stable
POSSIBILITY OF HAZARDOUS REACTIONS	Not applicable
CONDITIONS TO AVOID	Heat, humidity
INCOMPATIBLE MATERIALS	Hydrofluoric acid
HAZARDOUS DECOMPOSITION PRODUCTS	Ammonia (NH_3) and Carbon Dioxide ($C0_2$)

SECTION 11 –TOXICOLOGICAL INFORMATION	
TOXICITY EFFECTS ON ANIMALS	Moderate respiratory irritation

TOXIC EFFECTS ON HUMANS	May cause mild irritation of the mouth, throat, nose, eyes
CHRONIC EFFECTS ON HUMANS	Prolong exposure may cause irritation of the respiratory tract
CARCINOGENICITY	No evidence
TERATOGENICITY	No evidence
MUTAGENICITY	No evidence
REPRODUCTIVE EFFECTS	No evidence

SECTION 12 –ECOLOGICAL INFORMATION	
ECOTOXICITY DATA	Unlikely to be harmful. More than 90% of the ingredients in this product are inert. Product contains less than 10 % Ammonium Carbonate. Aquatic Toxicity for Ammonium Carbonate is: 24 ppm/ 3.5 hr/ goldfish/ killed/ fresh water, 10 ppm/ > 100 hr/ goldfish/ tolerated/ fresh water
BIODEGRADABILITY	Inert material
PRODUCTS OF DEGRADATION	Environmentally inert

SECTION 13 – DISPOSAL CONSIDERATIONS	
WASTE DISPOSAL	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations
INFORMATION ON SAFE HANDLING FOR DISPOSAL INCLUDING ANY CONTAMINATED PACKAGING	Suitable waste facility

SECTION 14 – TRANSPORT INFORMATION	
UN NUMBER	Not applicable
UN PROPER SHIPPING NAME	Not applicable
TRANSPORT HAZARD CLASS	Not regulated, Freight Class 55 / item 48581
PACKAGING GROUP	Not applicable
ENVIRONMENTAL HAZARDS	Nil
TRANSPORT IN BULK, if applicable	Not applicable
SPECIAL PRECAUTIONS	NIL

SECTION 15 – REGULATORY INFORMATION	
SAFETY HEALTH & ENVIRONMENTAL REGULATIONS SPECIFIC TO THE PRODUCT	U.S. TSCA inventory Status: All components of this product are either on the Toxic Substances Control Act (TSCA) INVENTORY List or exempt. Canadian DSL Inventory Status: All components of this product are either on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL) or exempt.

SECTION 16 – OTHER INFORMATION	
PREPARED BY:	
TELEPHONE NO.:	
DATE OF THE LATEST REVISION OF SDS:	04/01/2026