TN-560

SAFETY DATA SHEET

SECTION I - IDENTIFICATION

1.1 PRODUCTO NAME: TN- 560 MULTIPURPOSE ACRYLIC SEALER
PRODUCT CODE: 2225-S
1.2 USES: Multipurpose acrylic sealer.
1.3 Company Name: PIC SISTEMAS
Company Address: 1148 Champlain Dr., Brownsville. Texas 78526
1.4 Business Phone: +1 (956) 435-4262
MAIL: ventas@picsacv.com.mx

SECTION II - HAZARDS IDENTIFICATION

Emergency Overview
Causes skin irritation, may cause an allergic skin reaction, and causes serious eye irritation; it may also cause respiratory irritation, so move to fresh air. In case of contact with skin, wash with plenty of soap and water, and in case of contact with eyes, rinse immediately with plenty of water and consult a physician. If swallowed, rinse mouth with water and consult a physician, ensuring that this safety data sheet is shown to the doctor in attendance.

GHS Classification (GB 30000-2013):

Flammable liquids:	Category 3
Skin corrosion/irritation:	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Specific target organ toxicity — single exposure	Category 3 (Respiratory system

GHS Classification (GB 30000-2013):
Hazard Pictograms:



Signal Word:	**WARNING**	
Hazard Statement:	H226	Flammable liquid and vapor.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.
Precautionary Statements:	**Prevention:**	
	P101	If medical advice is needed, have product container or label at hand.

P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment
P242	Use non-sparking tools.
P243	Tome medidas de precaución contra descargas estáticas.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/eye protection/face protection.

Response:

P302 + P352 EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante agua y jabón.

P303 + P361 + P353 EN CASO DE CONTACTO CON LA PIEL (o el cabello):quitar inmediatamente toda la ropa contaminada. Enjuagar la piel con agua o ducharse.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 P370 + P378 Take off contaminated clothing. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to an approved waste disposal plant.

Physical and Chemical Hazards

Flammable liquid and vapor.

Health Hazards

Causes serious eye irritation.

Environmental Hazards

Not classified based on available information.

Other Hazards not resulting in classification

No data available.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

Product Form: Mixture

Hazardous Components

Chemical Name	CAS-NO	Classification (GB 30000.2-29-2013)	Concentration
Water	7732-18-5	Not Classified	40%
Calcium carbonate	471-34-1	Not Classified	30%
Butyl acrylate	123-86-4	Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3	25%
Toluene	108-88-3	Flam. Liq. 3 STOT SE 3	4%
Curing agent	6465-57-2	Flam. Liq. 2 Skin Irrit. 2 Asp. Tox. 1 STOT SE 3 STOT SE 2 Repr. 2	1%

SECTION IV - FIRST AID MEASURES

General Advice: Leave the danger area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

If Inhaled: Move the person to fresh air. If unconscious, place the person in the recovery position (lateral) and seek medical attention. If symptoms persist, call a physician.

In case of Skin Contact: Take off contaminated clothing immediately. If skin irritation occurs, obtain medical attention. In case of contact with skin, rinse thoroughly with plenty of water. Wash contaminated clothing before reuse. If the product comes into contact with clothing, remove it immediately.

In case of Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. Continue rinsing eyes during transport to the hospital. Remove contact lenses. Protect the uninjured eye. Obtain medical attention.

In case of Ingestion: Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Pulmonary edema may be delayed.

Most Important Symptoms and Effects, both Acute and Delayed: Signs and symptoms of exposure to this material through inhalation, ingestion, and/or skin absorption may include gastrointestinal distress (nausea, vomiting, diarrhea), irritation of the nose, throat, and respiratory tract, pulmonary edema (fluid accumulation in the lungs), allergic skin reactions, serious eye damage, and severe burns.

Notes for Physician: There are no hazards which require special first aid measures.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, alcohol-resistant foam, carbon dioxide (CO2), or dry chemical.
Unsuitable Extinguishing Media:	High volume water jet.
Specific Hazards during Firefighting:	Beware of vapor accumulation forming explosive concentrations. Vapors may accumulate in low-lying areas. Do not allow run-off from firefighting to enter drains or water courses.
Hazardous Combustion Products:	Carbon monoxide (CO), carbon dioxide (CO2), toxic fumes, and various hydrocarbons. Hazardous combustion gases or vapors may be formed in the event of fire.
Specific Extinguishing Methods:	The product is compatible with standard fire extinguishing agents. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations. Use water spray to cool unopened containers.
Special Protective Equipment for Firefighters:	In the event of fire, wear self-contained breathing apparatus (SCBA) and full protective equipment.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures:	Evacuate personnel to safe areas. Do not breathe vapors or aerosols. Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Beware of vapor accumulation forming explosive concentrations. Vapors can accumulate in low areas. Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed.
Environmental Precautions:	The product should not be allowed to enter drains, watercourses, or the soil. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers, lakes, or drains, inform the respective authorities in accordance with local regulations.
Methods and Materials for Containment and Cleaning Up:	Contain spillage, and then collect with non-combustible absorbent material (e.g., sand, earth, diatomaceous earth, vermiculite) and place in a container for disposal according to local/national regulations (see Section 13).
Prevention of Secondary Hazards:	Comply with all applicable national and local regulations.

SECTION VII - HANDLING AND STORAGE

Handling

Advice on Protection Against Fire and Explosion:	Take necessary measures to prevent static electricity discharge (which could cause ignition of organic vapors). Keep away from open flames, hot surfaces, and sources of ignition. Use only explosion-proof equipment.
Advice on Safe Handling:	Provide sufficient air exchange and/or an exhaust system in work rooms. Do not breathe vapors/mists/gases. Do not smoke.

Advice on Safe Handling:	Persons suffering from skin sensitization or asthma, allergies, chronic or recurrent respiratory diseases should not work in any process in which this mixture is used. The container is hazardous when empty. Take precautionary measures against static discharges. Avoid exposure: obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating, and drinking must be prohibited in the application area. For personal protection, see Section 8. Dispose of rinse water in accordance with local and national regulations.
Avoid Contact:	Amines, acids, halogens, oxidizers, peroxides, strong bases, and strong oxidizing agents. Avoid strong heating.
Storage Conditions for Safe Storage:	Keep the container tightly closed in a dry and well-ventilated place. Opened containers must be carefully resealed and kept upright to prevent leakage. Observe label precautions. No smoking. Electrical installations and working materials must comply with safety technology standards.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with Workplace Control Parameters:
Contains no substances with known occupational exposure limit values

Components	CAS-No.	Value Type (Form of Exposure)	Control Parameters	Basis GBZ 2.1-2019
Acrilato de butilo	141-32-2	PC-TWA	25 mg/m^3	GBZ-2,1-2019
Acrilato de butilo	123-86-4	PC-TWA	200 mg/m^3	GBZ-2,1-2019
Acrilato de butilo	123-86-4	PC-STEL	300 mg/m^3	GBZ-2,1-2019
Tolueno	108-88-3	PC-TWA	50 mg/m^3	GBZ-2,1-2019
Tolueno	108-88-3	PC-STEL	100 mg/m^3	GBZ-2,1-2019

Engineering Measures::	Provide sufficient mechanical ventilation (general and/or local exhaust). Ventilation must be maintained to keep exposure levels below the specified exposure limits.
Personal Protective Equipment	
Eye and Face Protection:	Use chemical splash goggles and a face shield when there is a possibility of eye or face exposure to liquid, vapor, or mist.
Skin and Body Protection:	Impervious clothing, safety footwear, and flame-retardant clothing.
Hand Protection:	Wear protective gloves. Discard and replace gloves that show tears, holes, or signs of wear or degradation.
Hygiene Measures:	Wash hands before breaks and at the end of the workday. Do not eat or drink during use. Do not smoke during use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Semi-fluid paste
Odor:	No data available
Odor Threshold:	No data available
pH:	No data available
Melting Point / Freezing Point:	No data available
Initial Boiling Point and Boiling Range:	No data available
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability (solid, gas)	No data available
Upper Explosive Limit:	Non-explosive
Lower Explosive Limit:	Non-explosive
Vapor Pressure:	No data available
Relative Vapor Density:	No data available
Density Solubility in water:	No data available
Solubility in other solvents:	Soluble in some solvents
Partition Coefficient: n-octanol/water	No data available
Decomposition Temperature	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Oxidizing properties	No data available

SECTION X - STABILITY AND REACTIVITY

Reactivity:	No decomposition if stored and applied as directed.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions::	Vapors may form an explosive mixture with air.
Conditions to Avoid::	Keep away from heat, flames, sparks, and other ignition sources. Exposure to sunlight.
Incompatible Materials:	Amines/acids. Halogens/oxidants/peroxides. Strong bases. Strong oxidizing agents. Strong heating
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide (CO2), and Toxic fumes/Hydrocarbons.

SECTION XI - TOXICOLOGICAL INFORMATION

Acute Toxicity

Not classified based on available information.

Dioctyl Phthalate:	LD50 Oral - Rat - female - 10,760 mg/kg
Acute Oral Toxicit:	(OECD Test Guideline 423) Symptoms: Aspiration hazard in case of vomiting. Aspiration may cause pulmonary edema and pneumonitis.
Acute Inhalation Toxicity:	No data available.
Acute Dermal Toxicity:	LD50 Dermal - Rabbit - male and female - 14,112 mg/kg (OECD Test Guideline 402)

Butyl Acrylate:

Acute Oral Toxicity:	LD 50 (rat, male): 3730 mg/kg
Acute Inhalation Toxicity:	LC 50 (rat, male y female): 10,3 mg/l Tiempo de exposición: 4 h Atmósfera de prueba: vapor Method: OECD Test Guideline 403
Toxicidad dérmica aguda:	LD50 (Rabbit): 1.8 - 3.4 g/kg LD50 (Rabbit): 2,000 mg/kg LDLo (Rabbit): 1,700 mg/kg LD50 (Rabbit, male): 3,024 mg/kg

Skin Corrosion / Irritation:
Causes skin irritation.
Butyl Acrylate: * Result:
Irritating to skin.
Serious Eye Damage / Irritation:
Causes serious eye irritation.
Butyl Acrylate: * Result: Irritating to eyes.

Respiratory or Skin Sensitization:
Skin Sensitization:
Not classified based on available information.
Respiratory Sensitization:
Not classified based on available information.
Mutagenicidad en células germinales
Not classified based on available information.
Butyl Acrylate:

In vitro Genotoxicity:	Test Type: Ames Test Metabolic Activation: With and without metabolic activation Metabolic Activation: With and without metabolic activation
In vivo Genotoxicity:	Test Type: In vivo assay Species: Rat (male and female) Application Route: Inhalation (vapor) Method: Mutagenicity (in vivo mammalian bone marrow cytogenetic test, chromosomal analysis) Result: Negative

Carcinogenicity:
Not classified based on available information.
Reproductive Toxicity:
Not classified based on available information.
STOT - Single Exposure:
No clasificado según la información disponible.
STOT - Repeated Exposure:
Not classified based on available information.
Aspiration Hazard:
Not classified based on available information.

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity

Not classified based on available information.

Butyl Acrylate::	
Toxicity to fish:	LC50 (Oncorhynchus mykiss - Rainbow trout): 4.6 mg/l Exposure time: 96 h Test type: Flow-through test.
	LC50 (Cyprinodon variegatus - Sheepshead minnow): 2.1 mg/l Exposure time: 96 h Test type: Flow-through test / Method: OECD Test Guideline 203.
Toxicity to Daphnia and Other Aquatic Invertebrates	(Water flea (Daphnia magna)): 8.74 mg/l Exposure time: 48 h
Toxicity to Algae:	Test type: static test Method: OECD Test Guideline 202 EC 50 (Pseudokirchneriella subcapitata (green algae)): 5.9 mg/l Endpoint: Growth inhibition Exposure time: 72 h Test type: static test Method: OECD Test Guideline 201
Toxicity to Daphnia and Other Aquatic Invertebrates (Chronic Toxicity)	NOEC (Water flea (Daphnia magna)): 0.19 mg/l Exposure time: 21 d. Test type: flow-through test.
Butyl Acetate:	
Toxicity to fish:	Flow-through test LC50 - Pimephales promelas (fathead minnow) - 18 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates:	Static test EC50 - Daphnia magna (Water flea) - 44 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to Algae:	Static test ErC50 - Pseudokirchneriella subcapitata (green algae) — 397 mg/l - 72 h (OECD Test Guideline 201)

Persistence and Degradability

Biodegradability of Butyl Acrylate:	Inoculum: activated sludge Biodegradation: 80 - 90 % Exposure time: 28 d Method: OECD Test Guideline 310 Remarks: Readily biodegradable
Butyl Acetate: Biodegradability	Aerobic - Exposure time 28 d Result: 83 % - Readily biodegradable. (OECD Test Guideline 301D)
Theoretical Oxygen Demand	2.207 mg/g Remarks: (Lit.)
BOD/ThOD Ratio	Remarks: (Lit.)

Bioaccumulative Potential

Butyl Acrylate Partition Coefficient: n-octanol/water:	Log Pow: 2.36

Mobility in soil
No data available.

Other Adverse Effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Additional Ecological Information:

SECCIÓN XII - CONSIDERACIONES SOBRE LA ELIMINACIÓN

Waste Treatment Methods

Waste from Residues: The product should not be allowed to enter drains, watercourses, or the soil. Do not contaminate ponds, waterways, or ditches with chemical products or used containers. Send the product to an authorized waste management company.
Dispose of in accordance with all applicable local, state, and federal regulations.

SECTION XIV - TRANSPORT INFORMATION

International Transport Regulations
LAND TRANSPORT / China Road (JT/T 617-2018):
UN Number: UN1133
Proper Shipping Name: Adhesives containing a flammable liquid
Hazard Class: 3
Packing Group: Ⅲ
LQ: 5L
EQ: E2
Marine Pollutant: Yes



INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG Code, 2022 Edition, Amendment 41-22)
UN Number: UN 1133
Proper Shipping Name: ADHESIVES, containing a flammable liquid
Hazard Class: 3
Packing Group: Ⅲ
LQ: 5L
EQ: E2
Marine Pollutant: Yes



AIR TRANSPORT / INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA DGR, 65th Edition)
UN Number: UN1133
Proper Shipping Name: ADHESIVES, containing a flammable liquid
Hazard Class: 3
Packing Group: Ⅲ
EQ: E2
Marine Pollutant: Yes



SECTION XV - REGULATORY INFORMATION

Regulations on the Control over Safety of Hazardous Chemicals (Decree No. 591 of the State Council of the People's Republic of China), General rules for preparation of chemical safety data sheets (GB 16483-2008), Guidance on the compilation of safety data sheets for chemical products (GB/T 17519-2013), Rules for classification and labelling of chemicals (GB 30000-2013), Classification and labels of dangerous chemical substances commonly used (GB 13690-2009), List of dangerous goods (GB 12268-2012), Classification and code of dangerous goods (GB 6944-2012), and Occupational exposure limits for hazardous agents in the workplace - Part 1: Chemical hazardous agents (GBZ 2.1-2019).

SECTION XVI - OTHER INFORMATION

PREPARATION DATE: 11/25/2013
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