

**SAFETY DATA SHEET**

Revision Date 04/07/15

Section 1: Identification**Product Identifier on the Label:** n-Pentyl acrylate **Product Number:** M-251**CAS#:** 2998-23-4 **Chemical Family:** N/A**Recommended use of the chemical and restrictions on use:**Identified Uses: Laboratory chemicals
Manufacture of substances**Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:****Scientific Polymer Products, Inc.**

6265 Dean Parkway, Ontario, NY 14519

Information Telephone#: 585-265-0413 (8 AM to 5 PM, EST, Monday to Friday)**Information Fax#:** 585-265-1390 (8 AM to 5 PM, EST, Monday to Friday)**24 Hr. Emergency Telephone#:** Chem Tel (Day or Night) 800-255-3924**Section 2: Hazards Identification****Emergency Overview:****Color:** Colorless**Physical State:**

Liquid

Odor: No data available**Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 3), H226

Acute toxicity, Oral (Category 4), H302

Eye irritation (Category 2A), H319

Skin sensitizer (Category 1), H317

For the full text of the H-Statements mentioned in this Section, see Section 16

GHS Label elements, including precautionary statements**Pictogram(s)****Signal word(s):** Warning**Hazard Statement(s):**

H226: Flammable liquid and vapor

H302: Harmful if swallowed

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking

P233: Keep container tightly closed

P240: Ground/bond container and receiving equipment

P241: Use explosion-proof electrical/ventilating/lighting/equipment

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P264: Wash skin thoroughly after handling

P270: Do not eat, drink or smoke when using this product

P272:	Contaminated work clothing should not be allowed out of the workplace
P280:	Wear protective gloves/protective clothing/eye protection/face protection
P301+P312:	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P303+P361+P353:	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321:	Specific treatment (see supplemental first aid instructions on this label)
P330:	Rinse mouth
P333+P313:	If skin irritation or rash occurs, get medical advice/attention.
P337+P313:	If eye irritation persists, get medical advice/attention.
P363:	Wash contaminated clothing before reuse.
P370+P378:	In case of fire, use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403+P235:	Store in a well-ventilated place. Keep cool.
P501:	Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS: May for explosive peroxides

Section 3: Composition/Information on Ingredients

Component(s)	Classification	Concentration
n-Pentyl acrylate	Flammable liquid 3; Acute toxicity 4; Eye irritation 2A; Skin Sensitizer 1; H226, H302, H317, H319	>95

Section 4: First Aid Measures

Description of First Aid Measures:

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If Inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If Swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most Important Symptoms and Effects, both Acute and Delayed: The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

Indication of any Immediate Medical Attention and Special Treatment Needed: No data available

Section 5: Fire-Fighting Measures

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Special Hazards Arising from the Substance or Mixture: Carbon oxides

Advice for Fire-fighters: Wear self-contained breathing apparatus for fire-fighting if necessary.

Further Information: Use water spray to cool unopened containers.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Beware of vapors accumulated to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see Section 8.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Material for Containment and Cleaning Up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see Section 13).

Reference to Other Sections: For disposal, see Section 13

Section 7: Handling and Storage

Precautions for safe Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition – No smoking. Take measures to prevent the build-up of electrostatic charge. For precautions see Section 2.

Conditions for Safe Storage, Including any Incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific End Use(s): Apart from the uses mentioned in Section 1, no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

Control Parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values

Exposure Controls:

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment:

Eye/Face Protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full Contact:

Material:	Butyl rubber
Minimum layer thickness:	0.3 mm
Break through time:	480 min

Splash Contact:

Material:	Butyl rubber
Minimum layer thickness:	0.3 mm
Break through time:	480 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Complete suit protecting against chemicals. Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Section 9: Physical and Chemical Properties

Appearance:	Liquid	Odor:	No data available
Mw:	142.20	bp (C):	47 (7 mm)
Fp (F):	102	Solubility in Water:	No data available

Section 10: Stability and Reactivity

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions
Possibility of Hazardous Reactions:	No data available
Conditions to Avoid:	Heat, flames and sparks
Incompatible Materials:	Strong oxidizing agents, acids, bases
Hazardous Decomposition Product(s):	No data available

Section 11: Toxicological Information

Information on Toxicological Effects

Acute Toxicity:	No data available
Skin Corrosion/Irritation:	No data available
Serious Eye Damage/Eye Irritation:	No data available

Respiratory or Skin Sensitization Germ Cell Mutagenicity: Mouse, *S. typhimurium*, host-mediated assay, hamster, lungs, Sister chromatid exchange

Carcinogenicity:

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity:	No data available
Specific Target Organ Toxicity – Single Exposure:	No data available
Specific Target Organ Toxicity – Repeated Exposure:	No data available
Aspiration Hazard:	No data available

Additional Information:	No data available
--------------------------------	-------------------

Section 12: Ecological Information

Toxicity:	No data available
Persistence & Degradability:	No data available
Bio accumulative Potential:	No data available
Mobility in Soil:	No data available

Results of PBT & vPvB Assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other Adverse Effects: No data available

Section 13: Disposal Considerations

Do not dump into any sewers, on the ground, or into any body of water. All disposal practices must be in compliance with all Federal, State/Provincial and Local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility SOLELY of the waste generator. Scientific Polymer Products, Inc. has no control over the management practices or manufacturing processes of parties handling or using this material. The information presented here pertains ONLY to the product as shipped in its intended condition described in Section 2.

Section 14: Transport Information

US DOT:

Proper Shipping Name:	Flammable liquids, n.o.s. (n-Pentyl acrylate)	Hazard Class:	3
Packing Group:	III	UN#:	1993

IATA:

Proper Shipping Name:	Flammable liquids, n.o.s. (Pentyl acrylate)	Hazard Class:	3
Packing Group:	III	UN#:	1993

Section 15: Regulatory Information

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Fire hazard, acute health hazard

Massachusetts Right-to-Know Components:	No components are subject to the Massachusetts Right-to-Know Act
Pennsylvania Right-to-Know Components:	n-Pentyl acrylate, CAS No.: 2998-23-4
New Jersey Right-to-Know Components:	n-Pentyl acrylate, CAS No.: 2998-23-4

California Proposition 65 Components: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

This material is intended for laboratory use ONLY. It is not sold or intended for drug, household or other uses. The information represents the most accurate and complete data available to us. However, we make NO warranty, express or implied, with respect to such information, and we assure no liability resulting from its use.

Full text of H-Statements referred to under Sections 2 and 3:

H226	Flammable liquid and vapor
H302	Harmful if swallowed
H317	May cause an allergic reaction
H319	Causes serious eye irritation

NFPA

Health	2
Fire	2
Instability	0

HMIS

Health	2
Flammability	2
Physical Hazards	0