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N-BROMOSUCCINIMIDE

1. Product Identification
Synonyms: 2,5-Pyrolidinedione, 1-bromo-; NBS; Succinibromimide; N-Bromosuccinimide 99%
CAS No.: 128-08-5
Molecular Weight: 177.99
Chemical Formula: $C_4H_4BrNO_2$

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
N-Bromosuccinimide	128-08-5	99 - 100%

3. Hazards Identification
Potential Health Effects

Inhalation: Inhalation of vapors or mists irritates the mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.
Ingestion:Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting and diarrhea. May cause mild burning of mouth, throat, and stomach.
Skin Contact: Causes irritation to skin. Symptoms include redness, itching, and pain. May be absorbed through the skin.
Eye Contact: Causes irritation, redness, and pain.
Chronic Exposure: No information found.
Aggravation of Pre-existing Conditions: No information found.

4. First Aid Measures
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion: Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.
Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally.Get medical attention immediately.

5. Fire Fighting Measures
Fire: Not considered to be a fire hazard.
Explosion: Not considered to be an explosion hazard.
Fire Extinguishing Media: Carbon dioxide or dry chemical. Do not use water or foam.
Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures
Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. Handling and Storage
Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection
Airborne Exposure Limits: None established.
Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source,preventing dispersion of it into the general work area.
Personal Respirators (NIOSH Approved): For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn.For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure,air-supplied respirator.
Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties
Appearance: White crystals.
Odor: Faint odor of bromine.
Solubility: 1.47 gm / 100 gm water.
Density: 2.098
pH: No information found.
% Volatiles by volume @ 21C (70F): No information found.
Boiling Point: No information found.
Melting Point: 173 - 175C (343 - 347F)
Vapor Density (Air=1): 6.1
Vapor Pressure (mm Hg): No information found.
Evaporation Rate (BuAc=1): No information found.

10. Stability and Reactivity
Stability: Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products: Oxides of nitrogen, oxides of carbon, hydrogen bromide.
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong oxidizers, strong acids, strong bases, iron and iron salts. May decompose or exposure to light, moist air, or water.
Conditions to Avoid: Heat, flame, ignition sources, incompatibles, light, moisture and air.

11. Toxicological Information
No LD50/LC50 information found relating to normal routes of occupational exposure.

--------\Cancer Lists\----------

	---NTP Carcinogen---		
Ingredient	Known	Anticipated	IARC Category
N-Bromosuccinimide (128-08-5)	No	No	None

12. Ecological Information
Environmental Fate: No information found.
Environmental Toxicity: No information found.

13. Disposal Considerations
Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information
Not regulated.

15. Regulatory Information
Safety, health and environmental : Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture
REACH Restrictions : The components of this product are not subject to restrictions.
REACH Authorisation : The components of this product are not subject to authorization.
Chemical Safety Assessment : It has not been carried out.

16. Other Information
Product Use:
Laboratory Reagent.