

SAFETY DATA SHEET



Date issued : 04/25/2023
SDS number : AQ-650RT

1. Identification

Product description: Sheetfed Aqueous Coating

Manufacturer / Supplier

Nova Pressroom Products
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2. Hazard identification

Classification of the substance or mixture

Health hazards:

Acute Toxicity (Oral), Category 5

Eye Irritation, Category 2A

Skin Irritation, Category 3

Environmental hazards:

Acute Hazards to the Aquatic Environment, Category 3

Label elements



Exclamation
mark

Signal word: WARNING

Hazard statement(s)

H303: May be harmful if swallowed.

H316: Causes mild skin irritation.

H319: Causes serious eye irritation.

H402: Harmful to aquatic life.

Precautionary statement(s)

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

P273: Avoid release to the environment.

P264: Wash hands thoroughly after handling.

Response:

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.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P301+P312: IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.

P312: Call a POISON CENTER or a doctor if you feel unwell.

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

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

Storage:

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

Disposal:

P501: Dispose of contents/container in accordance with local regulations.

Emergency overview

Physical appearance: Opaque, white liquid with mild ammonia odor.

Potential health effects

Eye: Contact may cause eye irritation.

Skin: Contact may cause skin irritation.

Ingestion: Ingestion may cause irritation to the gastrointestinal tract.

Inhalation: Inhalation may cause irritation to the respiratory tract.

Medical conditions aggravated: Significant chronic exposure may aggravate existing eye, skin, auditory (hearing), respiratory system, liver, kidney, and CNS conditions.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Succinic Acid, Sulfo-, 1,4-bis(2-ethylhexyl) Ester, Sodium Salt	1 - 10	577-11-7
Ammonium Hydroxide	< 1	1336-21-6

4. First-aid measures

Eye: Immediately flush eyes with plenty of water. If irritation persists, seek medical attention.

Skin: Wash skin with soap and water. If irritation develops or persists, seek medical attention.

Ingestion: Seek immediate medical advice. Do not induce vomiting unless instructed to do so by poison center or physician.

Inhalation: Remove person to fresh air. If breathing becomes difficult, seek medical attention.

5. Fire-fighting measures

Flammable class: NA = Not Applicable

Suitable extinguishing media: Foam, dry chemical; use water spray to cool exposed surfaces. Evacuate area and fight fire from a safe distance if fire is contained in a small area; otherwise, call the local fire department. Fire media runoff may damage the environment. Dike and collect media used to fight fire.

Other considerations: Vapors are heavier than air and may accumulate in low or inadequately ventilated areas. Vapors may travel along the ground to be ignited at locations distant from the handling site. Flashback or flame to the handling site may occur.

Hazardous decomposition products: Fire may produce hazardous fumes.

6. Accidental release measures

Small spill: Wear protective gloves and eye protection, and stop the source of the leak or spill if possible. Isolate area of spill with dike, and/or add dry absorbent to prevent runoff from entering storm sewers and ditches which lead to waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before use.

Large spill: Follow OSHA emergency response regulations and NIOSH recommendations. If possible, stop source of spill or release. Isolate the area of spill or release with dike to prevent runoff from entering storm sewers and ditches which lead to waterways. Clean up and place in an appropriate container for disposal. Wash all contaminated clothing before use.

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes, skin, or clothing. Avoid breathing mist or vapor. Do not swallow. Wash hands thoroughly after handling. Do not eat, drink, or smoke in work areas. Use only with adequate ventilation.

Conditions for safe storage: Store in a cool, dry, well-ventilated area. Keep container closed when not in use. Containers of this material may be hazardous when emptied. Because emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

8. Exposure controls/personal protection

Exposure controls

Control parameters				
Occupational exposure limit values				
Chemical name	Type		ppm	mg/m ³
Ammonium Hydroxide	OSHA PEL	TWA	50 [1]	35 [1]
		TWA	25	18
	NIOSH	STEL	35	27
		IDLH	300	

Footnotes:

1. See NIOSH Pocket Guide Appendix G

Appropriate engineering controls: Good, general ventilation should be sufficient for most operations. Ten or more room air changes per hour containing a minimum of 15% fresh air is recommended.

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses.

Skin protection - hand protection: Gloves impervious to the hazardous ingredients.

Respiratory protection: If used under normal operating conditions and with adequate ventilation, respiratory equipment is not required.

9. Physical and chemical properties

Physical state: Liquid

Appearance: Opaque

Color: White

Odor: Mild ammonia odor

Odor threshold: Not Established

pH: 8.3 to 8.7

Freezing point: Not Established

Initial boiling point and boiling range: (212°F) to (369°F)

Flash point: > (200°F) CC

Evaporation rate (n-butyl acetate = 1): Not Established

Lower explosion limit / flammability limit: Not established

Vapor pressure: Not Established

Relative vapor density: Not Established

Density: Not Established

Relative density: 1.05 @60 degrees F

Notes: Water = 1.00

Solubility: 100% Miscible

Partition coefficient n-octanol/water (logarithmic value): Not Established

Auto-ignition temperature: Not Established

Dynamic viscosity: 24 to 28 " at (77°F) #3 Signature Zahn Cup

VOC content: 0.15 lbs/gal USEPA Method 24

10. Stability and reactivity

Dangerous polymerization: No

Chemical stability: Chemically stable

Conditions to avoid: High temperatures, localized heat sources (i.e.: drum or band heaters), oxidizing conditions, freezing conditions, direct sunlight, ultraviolet radiation, inert gas blanketing, strong oxidizers, strong reducers, free radical initiators, inert gases, oxygen scavengers.

Hazardous decomposition products: Includes, but not limited to smoke, fumes, oxides of nitrogen, and oxides of carbon.

Incompatible materials: Strong oxidizers, acids, and/or bases.

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)
Succinic Acid, Sulfo-, 1,4-bis(2-ethylhexyl) Ester, Sodium Salt	> 2100 mg/kg [Rat]	> 10000 mg/kg [Rabbit]
Ammonium Hydroxide	350 mg/kg [Rat]	

Acute oral toxicity LD₅₀: Not Established

12. Ecological information

Ecotoxicological information: Not Available

Persistence and degradability: Not Available

Bioaccumulative potential: Not Available

13. Disposal considerations

Disposal methods: Dispose materials associated with cleaning spills and/or leaks according to federal, state, and local regulations. If product is contaminated with other printing process products, consult appropriate federal, state, and local regulations to determine proper characterization of resultant mixture.

RCRA/EPA waste information: None

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: Not Regulated

ICAO - air

UN proper shipping name: Not Regulated

IMDG - sea

UN proper shipping name: Not Regulated

15. Regulatory information

UNITED STATES

SARA Section 311/312 Hazard Categories

313 reportable ingredients: This product does not contain any ingredients subject to the reporting requirements of SARA Title III Section 313 at or above reporting thresholds, unless listed below.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

Chemical name	% w/w	CERCLA rq
Ammonium Hydroxide	< 1	1,000

TSCA (The Toxic Substances Control Act)

TSCA Status: All components of this product are registered on the TSCA inventory.

CANADA

WHMIS Regulatory Status: Class D2B Toxic Material

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL): All components of this product are registered on the DSL inventory.

16. Other information

Approved by: DB **Title:** Technical Manager

Date Prepared: 04/25/2023

HMIS rating

Health		1
Flammability		1
Physical hazard		0
Personal protection		B

Manufacturer disclaimer:

The specific chemical identities of some ingredients in this mixture are considered proprietary information and trade secrets. As such they are withheld in accordance with CFR 1910.1200(i) of Title 29.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. Some information may be based on indirect test data.