

## SAFETY DATA SHEET

<b>1. Identification:</b>		
<b>Product Identifier:</b>	Maintain™ 3.5L	
<b>Other Means of Identification:</b>	PCPA registration number 33945	
<b>Distributed by:</b>	N.M. Bartlett Inc. 4509 Bartlett Rd, Beamsville, Ontario, L0R 1B1, Canada Tel: 905-563-8261	
<b>Emergency Phone Number:</b>	Chemtrec 1-800-424-9300 (24 hours) Canutec 613-996-6666 (24 hours)	
<b>Recommended Use:</b>	Plant growth regulator for thinning and control of pre-harvest drop of apples, and for thinning of ornamental crabapples.	
<b>Restrictions on Use:</b>	Keep out of reach of children	
<b>2. Hazard(s) Identification (This product is classified as hazardous as defined by Hazardous Products Regulations SOR/2015-17):</b>		
<b>Class/Category:</b>	Eye irritant Cat 2B	
<b>Route of Exposure:</b>	Most likely exposure by dermal or oral route	
<b>Hazards Not Otherwise Classified:</b>	None	
<b>Signal word:</b>	WARNING	
<b>Symbol(s):</b>	None	
<b>Hazard Statements:</b>	H320 Causes eye irritation	
<b>Precautionary Statements:</b>	Prevention: P264 Wash hands thoroughly after handling. Response: P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P337+313 If eye irritation persists get medical advice / attention. Storage: None assigned Disposal: None assigned	
<b>3. Composition:</b>		
This product contains the following components classified as hazardous under SOR/2015-17		
<b>CAS number:</b>	<b>Component:</b>	<b>Percent:</b>
61-31-4	1-Naphthaleneacetic Acid, Sodium Salt (NAA Na)	3-4%
68515-73-1	Alkylpolysaccharides	<5%
The remainder of the mixture is not required to be disclosed by SOR/2015-17		
<b>4. First Aid Measures:</b>		
<b>Inhalation:</b>	Remove patient to fresh air, allow to rest and keep warm.	
<b>Skin:</b>	Remove contaminated clothing and wash before reuse. Wash skin with soap and water for several minutes. Get medical attention if symptoms arise and persist.	
<b>Eyes:</b>	Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. Get medical attention if symptoms arise and persist.	
<b>Ingestion:</b>	DO NOT induce vomiting! Rinse mouth out and then drink plenty of water. Get medical attention if discomfort occurs.	
<b>Symptoms/Effects:</b>	Acute: May cause mild, transient eye or skin irritation Delayed: May cause mild, transient eye or skin irritation	
<b>Indication of immediate medical attention and special treatment needed, if necessary:</b>	No available information	
<b>5. Fire Fighting Measures:</b>		
<b>Extinguishing Media:</b>	Suitable: Water, foam, carbon dioxide or dry powder.	

	Unsuitable: None						
Specific Hazards Arising from the Chemical:	None known						
Protective Equipment and Precautions for Firefighters:	Wear suitable protective clothing, gloves, safety goggles.						
6. Accidental Release Measures:							
Personal Precautions, Protective Equipment and Emergency Procedures:	Refer to Section 8 “Exposure controls/personal protection”						
Methods for Containment and Clean-Up:	On soil: Contain/absorb with non-combustible absorbent material (eg, sand, earth, vermiculite, chemical absorbent) and place in suitable, closable container for safe disposal. On water: None known, inform relevant authorities.  See also Section 13. Disposal Considerations.						
7. Handling and Storage:							
Precautions for Safe Handling:	Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.						
Conditions for Safe Storage:	Keep container tightly closed when not in use. Store in a cool, dry place. Protect from temperatures below 32°F. This product may freeze. If freezing should occur, thaw and shake gently to unify the product. Do not store diluted product. See also Section 10. Stability and Reactivity.						
8. Exposure Controls/Personal Protection:							
Component Exposure Limits:							
Substance	Canada Ontario		Canada Quebec		Canada Saskatchewan		ACGIH TLV
	ppm STEL	ppm TWA	ppm STEV	Mg/m3 TWA EV	ppm STEL	ppm TWA	8-hr TWA (ST) STEL (C) Ceiling
No listed components	-	-	-	-	-	-	-
Appropriate Engineering Controls:	No applicable information available.						
Personal Protective Equipment:	Not normally necessary but in case of frequent or prolonged use wear equipment specified below. Always check applicability with your supplier of protective equipment.  - Respiratory protection: Wear particle filter such as EN143 fitted with P-SL filter if exposure to high levels of material is likely. - Skin protection: Laboratory coat or overalls. - Eye protection: Chemical goggles or full-face visor. - Hand protection: Nitrile rubber or PVC gloves (Break-through times can vary depending on thickness, use and source. Change gloves regularly) - General hygiene: Do not eat, drink, or smoke while using this product. Immediately take off any contaminated clothing and launder before re-use. Wash hands and / or face before breaks and at the end of the shift.						
9. Physical and chemical properties:							
Appearance:	Brown transparent liquid						
Odor:	Aromatic odor						
Odor Threshold:	No data available						

<b>pH:</b>	6.9
<b>Melting Point/Freezing Point:</b>	No data available
<b>Boiling Point:</b>	> 212°F (100°C)
<b>Flash Point:</b>	> 212°F (100°C) (closed cup)
<b>Evaporation Rate:</b>	No data available
<b>Flammability/Limits:</b>	Not flammable LFL: not applicable UFL: not applicable
<b>Vapor Pressure:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Relative Density:</b>	1.03 g/ml
<b>Solubility (H<sub>2</sub>O):</b>	Miscible
<b>Partition Coefficient:</b>	No data available
<b>Auto-Ignition Temperature:</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	2.13 cSt at 68°F (20°C)

#### 10. Chemical Stability and Reactivity Information:

<b>Reactivity:</b>	Stable under recommended storage and handling conditions
<b>Chemical Stability:</b>	Stable under recommended storage and handling conditions
<b>Possibility of Hazardous Reactions:</b>	Stable under recommended storage and handling conditions
<b>Conditions to Avoid:</b>	Protect from high temperatures and sources of ignition.
<b>Incompatible Materials:</b>	Avoid accidental contact with strong acidic or alkaline solutions or oxidizing materials.
<b>Hazardous Decomposition Products:</b>	None known

#### 11. Toxicological Information:

<b>Likely Routes of Exposure:</b>	Contact with skin and eyes or by inhalation of spray
<b>Symptoms:</b>	May cause skin or eye irritation
<b>Acute Toxicity:</b>	Oral: LD <sub>50</sub> Rat >2,000 mg/kg Inhalation: LC <sub>50</sub> Rat >5.08 mg/l Dermal: LD <sub>50</sub> Rat >2000 mg/kg
<b>Skin Corrosion/Irritation:</b>	Non-irritant (rabbit)
<b>Serious Eye Damage/Eye Irritation:</b>	Moderately irritating (rabbit)
<b>Sensitization:</b>	Non-sensitizing (mouse)
<b>Germ Cell Mutagenicity:</b>	No evidence of mutagenic effects
<b>Carcinogenicity:</b>	None of the components of this product are listed as carcinogens by NTP, IARC or OSHA.
<b>Reproductive/Developmental Toxicity:</b>	No evidence of reproductive effects
<b>Specific Target Organ Toxicity:</b>	Single Exposure: No data available Repeated Exposure: No data available

#### 12. Ecological Information:

<b>Ecotoxicity:</b>	Based on the limited data set available, EPA believes that the naphthalene acetates risks are not of concern to non-target organisms, including mammals, birds, aquatic organisms, and non-endangered, non-target plants. Risks to terrestrial insects cannot be quantified, but the available data do not suggest a substantial potential for adverse effects. Therefore, no measures are needed to mitigate risk to non-target species and non-endangered, non-target plants. (Citation, NAA RED October 2007)
<b>Persistence and Degradability:</b>	No data available
<b>Bioaccumulation Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>Other Adverse Effects:</b>	None known

#### 13. Disposal Considerations:

<b>Disposal Instructions:</b>	1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. 2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. 3. Make the empty container unsuitable for further use. 4. Dispose of the container in accordance with provincial requirements. 5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.
<b>14. Transport Information:</b>	
<b>UN/TDG Proper Shipping Name:</b>	Not applicable
<b>Hazard Class:</b>	Not applicable
<b>UN/TDG Number:</b>	Not applicable
<b>Packaging Group:</b>	Not applicable
<b>Marine Pollutant:</b>	Not applicable
<b>NMFC number/class:</b>	101685/065 Plant growth inhibitor, modifier or regulator, NOIBN
<b>15. Regulatory Information:</b>	
<b>DSL/NDL:</b> DSL 68515-73-1; NDSL 61-31-4	
<b>TSCA:</b>	All components of this product are either listed or are exempt on the TSCA inventory. The following components of this product are subject to the reporting requirements of Section 12(b) of TSCA: None
This chemical is a pesticide product registered by the Pest Management Regulatory Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.	
<b>PMRA signal word:</b>	None
<b>Precautionary Statements:</b>	<ul style="list-style-type: none"> <li>• KEEP OUT OF REACH OF CHILDREN</li> <li>• Harmful if swallowed.</li> <li>• Avoid spray drift to other crops.</li> <li>• Do not use spray equipment for other purposes unless thoroughly cleaned.</li> <li>• Do not contaminate water used for irrigation or domestic purposes.</li> <li>• Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair.</li> <li>• DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours</li> </ul>
<b>Pictograms/Symbols:</b>	None
<b>16. Other Information:</b>	
None.	
<b>Issue Date/Version:</b>	12/11/20 Version 1
<b>Supersedes:</b>	Not applicable