



Issue date 14-Oct-2016

Safety Data Sheet

Version 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier

Product name SANTA TREE PRESERVE
Chemical name 7-7649

Other means of identification

Product code FG 499-0507-3
Synonyms Tree Preserve

Recommended use of the chemical and restrictions on use

Recommended Use To preserve fresh-cut Christmas trees.
Uses advised against Do not ingest.

Details of the supplier of the safety data sheet

Supplier Address	Manufacturer Address
Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121	Chase Products Co. 2727 Gardner Road Broadview, IL 60155 708-273-1121

Emergency Telephone Number

Company Phone Number 708-865-1000
24 Hour Emergency Phone Number 1-800-255-3924
Emergency telephone ChemTel 1-800-255-3924

2. Hazards Identification

Classification

Label Elements

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Dark green liquid **Physical State** Liquid **Odor** Mild chemical odor

Hazards not otherwise classified (HNOC)

Other Information

0.002% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients

Common Name Tree Preserve.
Synonyms Tree Preserve.
Chemical Family MIXTURES.
Formula 7-7649
Chemical nature Aqueous solution of a fertilizer.

Chemical name	CAS No	weight-%	Trade secret
Water	7732-18-5	95-100	*
Ammonium Phospahte monobasic	7722-76-1	5-10	*

Chemical Additions Hazardous components according to OSHA, are listed when present at 1% or greater. Carcinoges are listed when present at 0.1% or greater.

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

FIRST AID MEASURES

Eye Contact Flush from eyes with plenty of water. If irritation develops, consult a physician.

Skin contact Wash skin with soap and water.

Inhalation None under normal use conditions.

Ingestion In case of accidental ingestion, do not induce vomiting unless directed by a physician. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

Symptoms None expected.

Indication of any immediate medical attention and special treatment needed

Note to physicians None needed.

5. Fire-fighting measures

Suitable extinguishing media

No applicable - water-based product won't burn.

Unsuitable extinguishing media Not applicable - water based product won't burn.

Specific hazards arising from the chemical

None known.

Hazardous combustion products Thermal decomposition may release carbon monoxide and carbon dioxide.

Explosion data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not applicable.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Product is a green liquid, do not drink by mistake.

For emergency responders Not applicable.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment Not applicable, clean up with soap and water.

Methods for cleaning up Clean contaminated surface thoroughly.

7. Handling and Storage

Precautions for safe handling

Advice on safe handling Products is a green liquid, do not take internally.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep tightly closed in a dry and cool place.

Incompatible Materials None known based on information supplied.

8. Exposure Controls/Personal Protection

Control parameters

Exposure guidelines See occupational exposure limits listed below.

Appropriate engineering controls

Engineering controls Use with adequate general or local exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face Protection None required.

Skin and Body Protection Household type gloves, if desired.

Respiratory protection None required if used in a well-ventilated area .

General hygiene considerations None needed.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild chemical odor
Appearance	Dark green liquid	Odor threshold	No information available
Color	Dark green.		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4.4	No information available
Melting point/freezing point	Not applicable	No information available
Boiling point/boiling range	Water 212 °F/100 °C	No information available
Flash Point	Not applicable - this product is almost 100% water.	No information available
Evaporation Rate	Faster than butyl acetate	No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
Upper flammability limits	Not available	
Lower Flammability Limit	Not available	
Vapor pressure		No information available
Vapor Density		No information available
Relative Density	1.03 (concentrate)	No information available
Water solubility		Soluble in water

Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition Temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Other Information

Softening point	No information available
Molecular weight	No information available
VOC content (%)	0%
Density	8.58 lb/gal
Bulk Density	No information available

10. Stability and Reactivity

Reactivity
 Not applicable Not applicable

Chemical stability
 Stable.

Possibility of hazardous reactions
 None under normal processing.

hazardous polymerization Hazardous polymerization does not occur.

Conditions to Avoid
 Temperatures above 122 °F (50 °C).

Incompatible Materials
 None known based on information supplied.

Hazardous decomposition products
 Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Product Information	This product has not been tested as whole. See below for information on ingredients.
Inhalation	No data available.
Eye Contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Ammonium Phospahte monobasic 7722-76-1	= 5750 mg/kg (Rat)	> 7940 mg/kg (Rabbit)	-

Information on toxicological effects

Symptoms Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and

nausea.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	None expected.
Serious eye damage/eye irritation	May cause eye irritation with susceptible persons.
corrosivity	Not applicable.
sensitization	No a skin sensitizer.
Germ cell mutagenicity	No information available.
Carcinogenicity	Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration Hazard	Deliberate inhalation of concentrated vapor or mist may cause headache, dizziness and nausea.

Numerical measures of toxicity - Product Information

Unknown acute toxicity	0.002% of the mixture consists of ingredient(s) of unknown toxicity
The following values are calculated based on chapter 3.1 of the GHS document .	
ATEmix (inhalation-gas)	1669380 mg/l
ATEmix (inhalation-vapor)	3374 mg/l

12. Ecological Information

This product does not contain marine pollutants.

ecotoxicity

6.814% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available

13. Disposal Considerations

Waste treatment methods

Disposal of wastes Dispose of in accordance with federal, state and local regulations.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

14. Transport Information

<u>DOT</u>	Not regulated
UN/ID no	NA
Marine pollutant	This product does not contain marine pollutants.

15. Regulatory information

International Inventories

TSCA

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

DSL

All ingredients are listed or are excluded from listing on the DSL.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No	weight-%	SARA 313 - Threshold Values %
Ammonium Phospahte monobasic - 7722-76-1	7722-76-1	5-10	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

<u>NFPA</u>	Health Hazards 1	Flammability 0	Instability 0	Physical and chemical properties Not applicable
<u>HMIS</u>	Health Hazards 1	Flammability 0	Physical hazards 0	Personal Protection A - Eyes protection

Prepared by Regulatory Department
Issue date 14-Oct-2016
Revision note
This SDS supersedes a previous MSDS dated January 18, 2010.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet