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INDEX: D32234422 CAT NO: AC139690010 PO NBR: P0095792

**** MATERIAL SAFETY DATA SHEET ****

Triethyl Phosphite, 98%
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**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

DS Name: Triethyl Phosphite, 98%

Product Numbers:
AC139690000, AC139690010

Company Identification (Europe):
Acros Organics BVBA
Janssen Pharmaceuticaal 3a
2440 Geel, Belgium

Company Identification (USA):
Acros Organics
One Reagent Lane
Fairlawn, NJ 07410
Information in North America, call: 800-ACROS-01
Information in Europe, call: 0032(0) 14575211
Emergencies in the US, call CHEMTREC: 800-424-9300
Emergencies in Europe, call: 0032(0) 14575299

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

CAS#	Chemical Name	%	EINECS#
122-52-1	Triethyl Phosphite	98%	204-552-5
Hazard Symbols: KN			
Risk Phrases: 10 22			

**** SECTION 3 - HAZARDS IDENTIFICATION ****

EMERGENCY OVERVIEW

Appearance: clear, colorless. Flash Point: 54 deg C.
Warning: Flammable liquid and vapor. May be harmful if swallowed.
May cause eye and skin irritation. May cause respiratory and
digestive tract irritation. Stench.
Target Organs: None known.

Potential Health Effects

Eye:
May cause eye irritation.
Skin:
May cause skin irritation.
Ingestion:
May cause gastrointestinal irritation with nausea, vomiting and
diarrhea. May be harmful if swallowed.
Inhalation:
May cause respiratory tract irritation.
Chronic:
No information found.

**** SECTION 4 - FIRST AID MEASURES ****

Eyes:
Flush eyes with plenty of water for at least 15 minutes,
occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:
Get medical aid. Flush skin with plenty of soap and water for at
least 15 minutes while removing contaminated clothing and shoes. Wash
clothing before reuse.
Ingestion:
If victim is conscious and alert, give 2-4 cupfuls of milk or water.
Never give anything by mouth to an unconscious person. Get medical
aid.
Inhalation:
Remove from exposure to fresh air immediately. If not breathing,
give artificial respiration. If breathing is difficult, give oxygen.
Get medical aid.
Notes to Physician:
Treat symptomatically and supportively.

**** SECTION 5 - FIRE FIGHTING MEASURES ****

General Information:
As in any fire, wear a self-contained breathing apparatus in
pressure-demand, MSHA/NIOSH (approved or equivalent), and full
protective gear. During a fire, irritating and highly toxic gases
may be generated by thermal decomposition or combustion. Flammable
Liquid. Can release vapors that form explosive mixtures at
temperatures above the flashpoint. Use water spray to keep
fire-exposed containers cool. Water may be ineffective. Material is
lighter than water and a fire may be spread by the use of water.
Vapors may be heavier than air. They can spread along the ground
and collect in low or confined areas. May polymerize explosively
when involved in a fire. Containers may explode if exposed to fire.

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Extinguishing Media:

For small fires, use dry chemical, carbon dioxide, water spray or
alcohol-resistant foam. For large fires, use water spray, fog or
alcohol-resistant foam. Do NOT use straight streams of water. Cool
containers with flooding quantities of water until well after fire
is out.

Autoignition Temperature: 250 deg C (482.00 deg F)

Flash Point: 54 deg C (129.20 deg F)

Explosion Limits, lower: 3.75

Explosion Limits, upper: 42.5

NFPA Rating: Not published.

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

General Information: Use proper personal protective equipment as indicated
in Section 8.

Spills/Leak:

Absorb spill with inert material (e.g. vermiculite, sand or earth),
then place in suitable container. Avoid runoff into storm sewers and
ditches which lead to waterways. Clean up spills immediately,
observing precautions in the Protective Equipment section. Remove all
sources of ignition. Use a spark-proof tool. Provide ventilation.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Wash thoroughly after handling. Use with adequate ventilation. Avoid
contact with eyes, skin, and clothing. Empty containers retain
product residue (liquid and/or vapor), and can be dangerous. Keep
container tightly closed. Avoid ingestion and inhalation. Do not
pressurize, cut, weld, braze, solder, drill, grind, or expose empty
containers to heat, sparks or open flames.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of
ignition. Keep from contact with oxidizing materials. Store in a
cool, dry, well-ventilated area away from incompatible substances.
Flammables-area.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low. Use
adequate general or local exhaust ventilation to keep airborne
concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Triethyl Phosphite	none listed	none listed	none listed

OSHA Vacated PELs:

Triethyl Phosphite:
No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:

Wear appropriate protective eyeglasses or chemical
safety goggles as described by OSHA's eye and face
protection regulations in 29 CFR 1910.133 or European
Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin
exposure.

Clothing:

Wear appropriate protective clothing to prevent skin
exposure.

Respirators:

Follow the OSHA respirator regulations found in 29
CFR 1910.134 or European Standard EN 149. Always use
a NIOSH or European Standard EN 149 approved
respirator when necessary.

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Physical State: Liquid
Color: clear, colorless
Odor: obnoxious odor, stench
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: 5.8
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 156 deg C
Freezing/Melting Point: -112 deg C
Decomposition Temperature: 260 deg C
Solubility in water: Insoluble.

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Specific Gravity/Density: 0.969
Molecular Formula: C6H15O3P
Molecular Weight: 166.077

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
Stable at room temperature in closed containers under normal storage and handling conditions.
Conditions to Avoid:
Incompatible materials, ignition sources, moisture, exposure to air, excess heat, strong oxidants.
Incompatibilities with Other Materials:
Strong oxidizing agents, strong bases, may decompose on exposure to moist air or water.
Hazardous Decomposition Products:
Carbon monoxide, oxides of phosphorus, irritating and toxic fumes and gases, carbon dioxide.
Hazardous Polymerization: May occur.

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

RTECS#:
CAS# 122-52-1: TH1130000
LD50/LC50:
Not available.
Carcinogenicity:
Triethyl Phosphite -
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology:
No information available.
Teratogenicity:
No information available.
Reproductive Effects:
No information available.
Neurotoxicity:
No information available.
Mutagenicity:
No information available.
Other Studies:
No data available.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.
EPA guidelines for the classification determination are listed in CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RA P-Series: None listed.
RA U-Series: None listed.

**** SECTION 14 - TRANSPORT INFORMATION ****

US DOT
Shipping Name: TRIETHYL PHOSPHITE
Hazard Class: 3
UN Number: UN2323
Packing Group: III
Canadian TDG
No information available.

**** SECTION 15 - REGULATORY INFORMATION ****

US FEDERAL
TSCA

CAS# 122-52-1 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs
None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 122-52-1: flammable.
Section 313
No chemicals are reportable under Section 313.

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Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depleters.
This material does not contain any Class 2 Ozone depleters.

Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

Triethyl Phosphite can be found on the following state right to know lists:
New Jersey.
California No Significant Risk Level:
None of the chemicals in this product are listed.
European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN
Risk Phrases:

R 10 Flammable.
R 22 Harmful if swallowed.
Safety Phrases:
S 16 Keep away from sources of ignition - No smoking.
S 23 Do not inhale gas/fumes/vapour/spray.
S 25 Avoid contact with eyes.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 122-52-1: 1
United Kingdom Occupational Exposure Limits

United Kingdom Maximum Exposure Limits

Canada

CAS# 122-52-1 is listed on Canada's DSL List.
WHMIS: Not available.
CAS# 122-52-1 is not listed on Canada's Ingredient Disclosure List.
Exposure Limits

**** SECTION 16 - ADDITIONAL INFORMATION ****

MSDS Creation Date: 4/28/1998 Revision #1 Date: 8/02/2000

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.