

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Revised: 05/22/24
Supersedes: 02/06/24

1.1 Product identifier

HiPure™ Phenyl Acetate (high purity phenyl acetate)
HiPure is a trademark of CrossChem Limited

Synonyms: Acetic Acid Phenyl Ester

Product Codes: 7100
7400

1.2 Intended uses

Intended Uses: Chemical intermediate, Manufacture of substances

1.3 & 1.4 Supplier and Emergency contact details

COMPANY IDENTIFICATION

CROSSCHEM LIMITED
100 WESTWOOD PLACE STE 430
BRENTWOOD TN 37027 USA
+1 615 716 3510

EMERGENCY TELEPHONE NUMBERS

CHEMTREC : 800-424-9300
CHEMTREC ACCOUNT # : CCN5881

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H227 Flammable liquids (Category 4)
H302 Acute Toxicity, Oral (Category 4)
H402 Harmful to aquatic life
H412 Harmful to aquatic life with long lasting effects

For the full text of H-Statements mentioned in this section, see Section 16.

2.2 GHS Label Elements, Including Precautionary Statements

Pictogram



GHS07

Single Word Warning

Hazard statements

H227	Combustible liquid
H302	Harmful if swallowed
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking
P264	Wash skin thoroughly after handling
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/eye protection/face protection
P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403+P235	Store in a well-ventilated place. Keep cool
P501	Dispose of contents and container to an approved waste disposal plant

2.3 Other hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance components

<u>IUPAC</u>	<u>EC NO</u>	<u>CAS NO</u>	<u>CLASSIFICATION</u>	<u>WEIGHT (%)</u>	<u>MOL WEIGHT</u>	<u>FORMULA</u>
Phenyl Acetate	204-575-0	122-79-2	Flam. Liq. 4; Acute Tox. 4; Acute Haz. Aq. Env. 3; Chronic Haz. Aq. Env. 3; H227, H302, H402, H412	≤100	136.15	C ₈ H ₈ O ₂

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

Skin contact

Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.

Inhalation (breathing)

Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

Ingestion (swallowing)

Seek medical attention. Immediately induce vomiting, as directed by medical personnel. Never give anything by mouth to an unconscious person.

Notes to physicians

Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

5. FIRE FIGHTING METHODS

5.1 Extinguishing Media

SMALL FIRES: Dry chemical, carbon dioxide, water spray, or foam. LARGE FIRES: Water spray, fog, or alcohol foam.

5.2 Special hazards

Flash Point	176F 80C
Method	Pensky-Martens Closed Cup
Explosive Limits	LEL(%) Not Determined UEL(%) Not Determined
Autoignition	Not Determined

Hazardous combustion and decomposition products

Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.).

Fire and explosion hazards

High temperatures can cause sealed containers to rupture due to a build up of internal pressure. Cool with water.

5.3 Advice for firefighters

Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition.

6.3 Methods and material for containment and clean-up

Containment

Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water.

Clean-Up/Personal protection equipment

Appropriate safety measures and protective equipment should be used.

Collection and disposal

Stop discharge, if safe to do so. Use proper protective equipment. Use non-sparking tools and/or explosion-proof equipment. Stop ignition sources. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.

Reporting

Spills of this material in excess of a component's RQ must be reported to the National Response Center (1-800-424-8802) and to the appropriate state and local emergency response organizations. No regulated ingredients.

7. HANDLING AND STORAGE

7.1 Technical descriptions

Personal hygiene

Wash thoroughly after handling, especially before eating, drinking, smoking, and using restroom facilities. Wash contaminated goggles, faceshield, and gloves. Professionally launder contaminated clothing.

7.2 Storage and Transfer conditions

Storage conditions

Store in cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed. **WARNING:** Hot organic chemical vapors or mists can suddenly and without warning combust when mixed with air. Ignition can occur at typical elevated temperature process conditions. Any use in such processes should be evaluated thoroughly to assure safe operating conditions. Storage class (TRGS 510): Combustible liquids.

Transfer

Containers should be supported and grounded before opening, dispensing, mixing, pouring, and emptying. Open with non-sparking tools. If container is warm, open bung slowly to release internal pressure.

Empty container precautions

Attention! This container is hazardous when empty. Follow label warnings even after container is emptied since empty containers may retain product residues. Do not use heat, sparks, open flames, torches, cigarettes on or near empty container. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption or where skin contact can occur.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Guidelines

ACGIH - TLV

No regulated ingredients.

OSHA - PEL

No regulated ingredients.

8.2 Exposure controls and protection

Engineering controls/Ventilation

Local exhaust ventilation is recommended when vapors, mists, or dusts can be released.

Eye protection

Wear chemical splash goggles. An eye wash facility should be readily available.

Skin protection

Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

Respiratory protection

Avoid breathing vapor and/or mists. Wear NIOSH/MSHA (US) or EN 166 (EU) approved equipment. Determine the appropriate type by consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA) or a supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	White
Odor	Phenolic
Physical State	Liquid
Solubility	Slightly soluble
pH	Not Applicable
Boiling Point	384F 195.5C
Vapor Pressure	0.5 mm HG @ 20C
Vapor Density	4.7 Air = 1
Evaporation Rt	< 1 (n-Butyl alcohol)
VOC Material	Not Established
Specific Grvty	1.07
%Non-Vol(w/w)	< 1

NOTE: The physical data presented above are typical values and should not be construed as a specification.

9.2 Other information

9.2.2 Other safety-related measures

Evaporation Rate [kg/(s*m ²)]	No data available
Explosive Properties	No data available

10. STABILITY AND REACTIVITY

10.2 Chemical stability

Stable under normal conditions of use.

10.3 Hazardous polymerization

Will not occur.

10.4 Conditions to avoid

High temperatures.

10.5 Incompatibility with other materials

Oxidizers.

11. TOXICITY INFORMATION

11.1 Information on hazard classes

Components

Phenyl acetate:

Oral LD50	Rat	1,756 mg/kg
Dermal LD50	Rabbit	8,616 mg/kg

Carcinogenicity

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Prop 65	Not listed.

12. ECOLOGICAL INFORMATION

12.1 Acute toxicity tests

Toxicity to daphnia and LC50 – Daphnia magna (water flea) – 63 mg/l – 24 h other aquatic invertebrates

12.2 Persistence and Degradability

No data available

12.3 Bioaccumulative Potential

No data available

12.4 Mobility in Soil

No data available

12.5 Results of PBT and vPvB Assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other Adverse Effects

No data available

13. DISPOSAL CONSIDERATIONS

Disposal

Dispose in accordance with all local, state, and federal regulations.

General statements

Federal regulations may apply to empty container. State and/or local regulations may be different.

General recommendations

Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.

Special instructions

Be sure to contact the appropriate government environmental agencies if further guidance is required.

14. TRANSPORT INFORMATION

Weight (lb)	Shipping Name	49	CFR	IATA	IMO
	Non-regulated		Y	Y	Y
DOT Label	Not applicable	UN/NA Id Num	Not Applicable		
DOT Label No	L154	WHMIS Label	F154		

Regulated under 49 CFR above as a combustible liquid when packaged in containers of 119 gallons or more. The following will apply: DOT Shipping name: Combustible liquid(s), n.o.s.; DOT Label: None; DOT ID No.: NA 1993; Precautionary Label No.: ND.

15. REGULATORY INFORMATION

Federal

SARA Title III - Section 311/312 - Hazard Categories

- Y- Fire Hazard
- N- Sudden Release of Pressure Hazard
- N- Reactivity Hazard
- Y- Immediate (acute) Health Hazard
- Y- Delayed (chronic) Health Hazard

Ozone-Depleting Chemicals

No regulated ingredients.

SARA Section 302 Extremely Hazardous Mat

No regulated ingredients.

SARA Section 313 Toxic Chemicals

No regulated ingredients.

Chemical Listing

Listed on the following Country's Chemical Inventories:
United States Toxic Substance Control Act

Chemical component(s) in this product are on the section 8(b) Chemical Substance Inventory List (40 CFR 710).

State Right-To-Know

Pennsylvania - New Jersey R-T-K

Phenyl acetate	122-79-2	90 - 100
Non-hazardous trade secret ingredient(s)	Proprietary	Balance

California - California Proposition 65

No regulated ingredients.

CONEG

No data available.

Canada

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS)

Class B Division 3

Class D Division 2 Sub-division B

CEPA - NPRI

No regulated ingredients.

16. OTHER INFORMATION

Full Text of H-Statements Referred to under Sections 2 and 3

Acute Tox.	Acute toxicity
Flam. Liq.	Flammable liquid
Acute Haz. Aq. Env.	Hazardous to the aquatic environment - acute
Chronic Haz. Aq. Env.	Hazardous to the aquatic environment - chronic
H227	Combustible liquid
H302	Harmful if swallowed
H402	Harmful to aquatic life
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Hazard Rating		
	HMIS	NFPA
Health	1 *	1
Fire	2	2
Reactivity	0	0

* = Chronic

ABBREVIATIONS:

- ACGIH = American Conference of Governmental Industrial Hygienists
- OSHA = Occupational Safety and Health Administration
- TLV = Threshold Limit Value
- PEL = Permissible Exposure Limit
- TWA = Time Weighted Average
- STEL = Short-Term Exposure Limit
- BAc = Butyl acetate

The information contained herein relates only to the specific material identified. CrossChem Limited believes that such information is accurate and reliable as of the date of this material safety data sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. CrossChem Limited urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.