



Emergency Phone Number (24 hours) CHEMTREC (800-424-9300)
Outside US: 703-527-3887

SECTION 1

CHEMICAL IDENTIFICATION OF THE SUBSTANCE/PREPARATION

PRODUCT NAME: Organic Calibration Standard: This solution is composed of one of the following depending on the catalog number:

1000 ug/mL Methyl Azinphos in Acetone – S-2085

100 ug/mL Methyl Azinphos in Acetone – S-2085-100

COMMON NAME OR SYNONYMS: Dimethylketone, 2-Propanone; dimethylketal

SPEX CATALOG NUMBER: S-2085, S-2085-100

Manufacturer/Supplier
SPEX CERTIPREP
203 Norcross Avenue
Metuchen, NJ 08840

SPEX CERTIPREP LTD
2 Dalston Gardens
Stanmore, Middlesex HA7 1BQ
England
Tel: (0) 20 8204 6656

SECTION 2

COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS:

MATERIAL	%	TLV UNITS	CAS #	EINECS
CH ₃ COCH ₃	~99	500 ppm TWA	[67-64-1]	200-662-2

SECTION 3

HAZARD IDENTIFICATION

Extremely flammable liquid and vapor. Vapor may cause flash fire. Harmful if swallowed or inhaled. Irritating to the eyes and skin and respiratory tract. Affects central nervous system.

SECTION 4

FIRST AID MEASURES

General: Remove contaminated clothing, wash thoroughly before reuse.

Eyes: Flush with water for at least 15 minutes occasionally lifting upper and lower eyelids.

Skin: Remove contaminated clothing and flush with water thoroughly.

Inhalation: Move to fresh air. Get medical attention immediately.

Ingestion: Get immediate medical attention immediately. If the patient is conscious, give large quantities of water. Do not induce vomiting.

SECTION 5

FIRE FIGHTING MEASURES

Flash Point: -20C (-4F) CC

Extinguishing media: Carbon Dioxide, foam or Dry Chemical.

Special Hazards and Procedure: Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire.

Protective Equipment: Wear self-contained breathing apparatus and full protective suit.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Ventilate area. Wear protective equipment. Do not allow to enter drainage systems or water ways. Neutralize with soda ash, limestone etc. Wipe up and put into a sealed container for proper disposal. Wash spill site with water after material pick up is complete. Wear chemical resistant glasses, gloves and clothing.

SECTION 7

HANDLING & STORAGE

Ensure good ventilation/exhaustion at work place. Have an immediate availability of an eye wash in case of emergency. Store at room temperature. Keep the container tightly closed.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA Permissible Exposure Limit (PEL): 1000 ppm (TWA); STEL 750 ppm

Wear goggles, protective apron and acid resistant gloves. Use under fume hood. If exposure limit is exceeded, use MSHA/NIOSH approved respirator.

SECTION 9

PHYSICAL & CHEMICAL PROPERTIES

Form:	Liquid
Appearance & odor:	Transparent with mint-like odor
% volatiles by vol. @ 21C:	100
Solubility:	miscible
pH:	No information found
Melting point:	-95C
Boiling Point:	56.5C @760m Hg
Vapor Pressure (mm Hg):	400 @ 39.5C

SECTION 10

STABILITY & REACTIVITY

Stability: Stable under normal storage and use.

Incompatibilities: Concentrated Nitric acid and sulfuric acid mixtures, oxidizing materials, chloroform, alkalis, chlorine compounds, acids and potassium t-butoxide.

Hazardous Decomposition Products: May form carbon dioxide and carbon monoxide when heated to decomposition.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Heat, Flames, ignition sources and incompatibles.

S-2085 Cont'd

SECTION 11
TOXICOLOGICAL INFORMATION

A human poison by ingestion. Moderately toxic by various routes. A skin and severe eye irritant. Human systemic effects by ingestion: coma, kidney damage, and metabolic changes. Narcotic in high concentrations.

TOXICITY DATA:

Concentrated CH₃COCH₃ —RTECS#-AL31500000
orl-rat LD50: 5800 mg/kg

SECTION 12
ECOLOGICAL INFORMATION

Do not allow product to reach ground water, water bodies or sewage system.

SECTION 13
DISPOSAL CONSIDERATIONS

Contact local Hazardous or Chemical waste disposal agency for regulations.

SECTION 14
TRANSPORT INFORMATION

Air & Ground:

CLASS 3
UN/ID # 1090
Packing Group: II
Proper Shipping Name: Acetone

For inner package volumes of 30 mL or less (Not to exceed outer package volume of 500 mL):

UPS and/or Domestic Shipments, ship under the "Small Quantity" rule and attach label: "this package conforms to 49CFR..."
FedEx and/or International Shipments: ship as "Excepted Quantity" attach "Excepted Quantity" label and specify UN number(s) and hazard class(es)

SECTION 15
REGULATORY INFORMATION

US FEDERAL

TSCA: CAS# 67-64-1 is listed on the TSCA inventory.
Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules: CAS# 67-64-1: 40 CFR 799.5000
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.
CERCLA Hazardous Substances and corresponding RQs: CAS# 67-64-1: 5000 lb final RQ; 2270 kg final RQ
SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.
SARA Codes: CAS # 67-64-1: immediate, fire.

Section 313: No chemicals are reportable under Section 313.

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: CAS# 67-64-1 can be found on the following state right to know lists: CA, NJ, PA, MN, MA.

California Prop 65: 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: X1 F

Risk Phrases:

R 11 Highly flammable.
R 36 Irritating to eyes.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapors may cause drowsiness and dizziness.

Safety Phrases:

S 16 Keep away from sources of ignition - No smoking.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 9 Keep container in a well-ventilated place.

WGK (Water Danger/Protection): CAS# 67-64-1: 0

Canada - DSL/NDSL: CAS# 67-64-1 is listed on Canada's DSL List.

Canada - WHMIS: This product has a WHMIS classification of B2, D2B.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List: CAS# 67-64-1 is listed on the Canadian Ingredient Disclosure List.

SECTION 16
OTHER INFORMATION

SPEX CERTIPREP ASSUMES NO RESPONSIBILITY AND MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE ACCURACY OR COMPLETENESS OF THE DATA CONTAINED HEREIN. INDICATED SAFETY MEASURES MAY NOT REFLECT ALL APPROPRIATE SAFETY MEASURES. SPEX CERTIPREP ASSUMES THAT ONLY QUALIFIED INDIVIDUALS, TRAINED AND FAMILIAR WITH PROCEDURES SUITABLE TO THIS PRODUCT, WILL HANDLE THIS PRODUCT.

References:

The Sigma/Aldrich Library of Chemical Safety Data, Ed.I, (1985)
Registry of Toxic Effects of Chemical Substances, 1981-82
Patty's Industrial Hygiene and Toxicology, 3rd Revised Edition, Vol. 2A, 1981
Threshold Limit Values and Biological Exposure Indices for 1988-89, ACGIH
Dangerous properties of Industrial Materials by N.Irving Sax and Richard J. Lewis, Sr.(Ninth Edition) *

Date: December 23, 2008