

## 1. Product and Company Identification

www.rxmarine.com

Product Name Aceto Acet Ortho Anisidine  
Part Number RXSOL-19-3217-050

### Company Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
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## 2. Composition / Information on ingredients

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Chemical Name Aceto Acet Ortho Anisidine  
Cas no. 92-15-9  
EC No. 202-131-0  
Synonyms AAOA,Acetoacet-o-anisidine.

## 3. Hazards Identification

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Caution! May cause eye, skin, and respiratory tract irritation. May be harmful if swallowed or absorbed through the skin. Methemoglobin former - can cause cyanosis. Target Organs: Blood.

Eye	May cause eye irritation
Skin	May cause skin irritation. May be harmful if absorbed through the skin. Not expected to cause an allergic skin reaction.
Ingestion	May cause irritation of the digestive tract. May be harmful if swallowed. May form methemoglobin which in sufficient concentration causes cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood).
Inhalation	May cause respiratory tract irritation.
Chronic	Not available. Groups of 5 rats were fed 0.1 or 1.0% of AAOA in the diet for 14 days. Abnormalities observed at the high-dose level included: decreased body weight gain, RBC count, hemoglobin concentration & hematocrit; changes in RBC morphology (macrocytosis - a condition in which the erythrocytes are larger than normal); & increased serum aspartate aminotransferase, urea nitrogen, & glucose. Gross & histopathologic abnormalities included darkening of the spleen & splenic congestion. A slight decrease in serum glucose & splenic congestion were observed at the low-dose level.

## 4. First Aid Measures

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Eyes In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid

Skin	In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.
Ingestion	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician	For methemoglobinemia, administer oxygen alone or with Methylene Blue depending on the methemoglobin concentration in the blood.

## 5. Fire-fighting Measures

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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. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion..
Extinguishing Media	Use water spray, dry chemical, or carbon dioxide.
Flash Point	157 deg C ( 314.60 deg F)
Autoignition Temperature	Not applicable.
Explosion Limits, Lower	Not available
Upper	Not available.
NFPA Rating	(Estimated) Health: 1; Flammability: 1; Instability: 0

## 6. Accidental Release Measures

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General Information	Use proper personal protective equipment as indicated in Section 8
Spills/Leaks	Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Provide ventilation.

## 7. Handling and Storage

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Handling	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid breathing dust.
Storage	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances

## 8. Exposure controls and personal protection

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Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
OSHA Vacated PELs	Acetoacet-ortho-anisidide: No OSHA Vacated PELs are listed for this chemical.
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	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be

## 9. Physical and chemical properties

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Physical state	Liquid
Appearance	white
Odour	Slight
pH	Not available.
Vapour pressure	Not available.
Vapour Density	Not available.
Evaporation Rate	Not available.
Viscosity	Not available
Boiling Point	Not available.
Freezing/Melting Point	83 - 87 deg C
Decomposition Temperature	185 deg C
Solubility	3 g/l
Specific Gravity/Density	1.13 @ 20°C
Molecular Formula	C11H13NO3
Molecular Weigh	207.23

## 10. Stability and reactivity

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Chemical stability	Stable under normal temperatures and pressures.
Conditions to avoid	Dust generation, excess heat.
Incompatibilities with Other Materials	Strong oxidizing agents
Hazardous Decomposition Products	Carbon monoxide, oxides of nitrogen, carbon dioxide, cyanides
Hazardous Polymerization	Will not occur.

## 11. Toxicological information

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### Information on toxicological effects

LD50/LC50	Draize test, rabbit, eye: 500 mg/24H Mild;  Draize test, rabbit, skin: 500 mg/24H Mild;  Oral, rat: LD50 = 1600 mg/kg
Carcinogenicity	Not listed by ACGIH, IARC, NTP, or CA Prop 65
Epidemiology	No information found
Teratogenicity	No information found
Reproductive Effects	No information found
Mutagenicity	No information found
Teratogenicity	No information found
Neurotoxicity	No information found

## 12. Ecological information

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Ecotoxicity	Fish: Fathead Minnow: > 85 mg/l; 96 h; LC50
Daphnia: Daphnia	> 85 mg/l; 96 h; LC50

## 13. Disposal considerations

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Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

CRA P-Series	None listed
RCRA U-Series	None listed

## 14. Transport information

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	US DOT	Canada TDG
Shipping Name	Not regulated	Not Rregulated
Hazard Class	-	-
UN Number	-	-
Packing Group	-	-

## 15. Regulatory information

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### US FEDERAL

TSCA	CAS# 92-15-9 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.
CERCLA Hazardous Substances and corresponding RQ	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 # 92-15-9: immediate
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# 92-15-9 can be found on the following state right to know lists: Pennsylvania, Massachusetts.
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	XN
Risk Phrases	R 22 Harmful if swallowed
Safety Phrases	S 23 Do not inhale gas/fumes/vapour/spray.  S 24/25 Avoid contact with skin and eyes.

S 36 Wear suitable protective clothing.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice

immediately (show the label where possible). S 28A After contact with skin, wash immediately with plenty of water

CAS# 92-15-9: 1

CAS# 92-15-9 is listed on Canada's DSL List

Canada - WHMIS not available

WGK (Water Danger/Protection)

Canada - DSL/NDSL

Canada - WHMIS

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.

## 16. Other information

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No data available

Other Information

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 event shall we 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 Rx Marine International has been advised of the possibility of such damages.

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Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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760 mm Hg @ 105°C

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