

## SCORPION XO2 PART B

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: SCORPION XO2 PART B  
Common Name: AMINE SOLUTION WITH ADDITIVES  
SDS Number: XO2-PART B  
Revision Date: 6/3/2015  
Version: 1

Supplier Details: Scorpion Protective Coatings  
6184 S US HWY 231  
Cloverdale, IN 46120

Emergency: (800) 424-9300  
Phone: 800-483-9087  
Web: [www.scorpioncoatings.com](http://www.scorpioncoatings.com)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

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

Health, Reproductive toxicity, 1 B  
Physical, Flammable Liquids, 3  
Health, Acute toxicity, 5 Dermal  
Health, Acute toxicity, 5 Oral  
Environmental, Hazards to the aquatic environment- Chronic, 3

#### GHS Label elements, including precautionary statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H360 - May damage fertility or the unborn child  
H226 - Flammable liquid and vapor  
H313 - May be harmful in contact with skin  
H303 - May be harmful if swallowed  
H412 - Harmful to aquatic life with long lasting effects

GHS Precautionary Statements:

P201 - Obtain special instructions before use.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P308+313- IF exposed or concerned: Get medical advice/attention.  
P310- Immediately call a POISON CENTER or doctor/physician.

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#### Hazards not otherwise classified (HNOC) or not covered by GHS

**Route of Entry:** Eyes; Ingestion; Inhalation; Skin;

**Target Organs:** Respiratory system; Skin; Eyes; Lungs;

**Inhalation:** Heating, spraying, foaming, or otherwise mechanically dispersing (drumming, venting or pumping) operations of this blend may generate more vapor or aerosol concentrations of its components.

Amines can produce severe respiratory tract irritation. This will be experienced as a discomfort in the nose, throat and chest, with nasal discharge, cough, headache and difficulty with breathing.

Prolonged or repeated contact may result in lung damage.

**Skin Contact:** Prolonged contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.

**Eye Contact:** Will cause irritation on contact. Symptoms from amine exposure include watering or discomfort of the eyes with marked excess redness and swelling. Severe exposure could produce chemical burns of the cornea.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Cas#</u>	<u>%</u>	<u>Chemical Name</u>
68479-98-1	10-40%	Benzenediamine, ar, ar-diethyl-ar-methyl
108-65-6	35-65%	2-Propanol, 1-methoxy-, acetate
64741-65-7	10-30%	Naptha, Petroleum, heavy alkylate
67762-90-7	1-10%	Siloxanes and silicones, di-Me, reaction with silica
0	1-5%	Organo Zinc (proprietary blend)

#### SECTION 4: FIRST AID MEASURES

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility immediately.

**Skin Contact:** Remove contaminated clothing immediately. Wash with large quantities of soap and water. Wash clothing before reuse. Seek medical attention if redness, burning or an itching sensation develops or persists after the area is washed.

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Consult a physician.

**Ingestion:** Seek immediate medical attention. Immediately give two glasses of water. Do not induce vomiting unless prompted to do so by a medical professional. Never give anything by mouth to an unconscious person.

#### SECTION 5: FIRE FIGHTING MEASURES

**Flammability:** OSHA – COMBUSTIBLE DOT – FLAMMABLE

**Flash Point:** >108°F

**Flash Point:** Pensky-Martens closed cup (ASTM D-93)

**Burning Rate:** NA

**Autoignition Temp:** NDA

**LEL:** NA

**UEL:** NA

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Use dry chemical, foam, carbon dioxide, halogenated agents or water. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. A solid stream of water directed into the hot burning liquid could cause frothing. If possible, contain fire run-off water.

Protective Equipment: Positive-pressure self-contained breathing apparatus with full face-piece and full protective clothing should be worn by fire-fighters.

Combustion may produce carbon dioxide, carbon monoxide, nitrogen oxides, and ammonia.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill:** Isolate and confine spill area. Remove all sources of ignition sources like flames, heating elements, gas engines, etc. Use non-sparking tools. Emergency clean-up personnel should select the specific respirator based on contamination levels found. Use air purifying respirator equipped with full-face organic vapor cartridge if vapors are detected, or are irritating. In areas of high concentrations, fresh air-line respirators or self-contained breathing apparatus and protective clothing should be used. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.

Clean up: With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. Ventilate area to remove the remaining vapors

#### SECTION 7: HANDLING AND STORAGE

**Handling Precautions:** Handling: Avoid skin and eye contact. Use personal protective equipment when transferring material to or from drums, totes or other containers. If contamination with isocyanates is suspected, do not reseal containers. Do not smoke or use naked lights, open flames, space heaters, or other ignition sources near pouring, frothing or spraying operations  
Special Emphasis for Spray Applications of Mixed Products Containing isocyanates: Inspect the application area from the potential to expose other persons or for overspray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

**Storage Requirements:** Storage: When stored between 15° and 30°C (60° and 85°F) in sealed containers, typical shelf life is 6 months or more from the date of manufacture. Consult technical data sheet for shelf life requirements affecting performance quality. Opened containers must be handled properly to prevent moisture pickup.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls:

General/local ventilation typically control vapor levels very adequately. Uses requiring heating or spraying may require more ventilation or **PPE**.

#### Personal Protective Equipment:

HMIS **PP**, H | Splash Goggles, Gloves, Apron, Vapor Respirator

2-Propanol, 1-methoxy-, acetate (108-65-6) [35-5%]

Personal protective equipment

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full contact Material: butyl-rubber Minimum layer thickness: 0.3 mm Break through time: > 480 min Material tested: Butoject (KCL 897 / Aldrich Z677647, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.4 mm Break through time: 79 min Material tested: Camatril (KCL 730 / Aldrich Z677442, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Eye protection:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection:** impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

2-Propanol, 1-methoxy-, acetate (108-65-6) [35-65%]

Components with workplace control parameters

TWA 50 ppm USA. Workplace Environmental Exposure Levels  
(WEEL)

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Non-Pigmented Liquid	<b>Odor:</b>	Ammonia-like
<b>Physical State:</b>	Liquid	<b>Molecular Formula:</b>	NA
<b>Odor Threshold:</b>	NDA	<b>Solubility:</b>	Not Determined
<b>Spec Grav. Density:</b>	NA	<b>Percent Volatile:</b>	0
<b>Viscosity:</b>	Not Determined	<b>Freezing/Melting Point:</b>	Not Determined
<b>Boiling Point:</b>	>200°F	<b>Flash Point:</b>	>108°F
<b>Flammability:</b>	None	<b>Vapor Density:</b>	Not Determined
<b>Partition Coefficient:</b>	NDA	<b>Auto-Ignition Temp:</b>	NDA
<b>Vapor Pressure:</b>	0.9 mmHG @ 68°F	<b>UFL/LFL:</b>	NDA
<b>pH:</b>	NDA		
<b>Evap. Rate</b>	<1		
<b>Decomp Temp</b>	NDA		

### SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Product is stable under normal conditions.

**Conditions to Avoid:** Avoid high temperatures, sparks, flame and extended exposure over 85 F (25 C).

**Materials to Avoid:** Incompatible with oxidizing materials, strong alkalis, amines and acids.

**Hazardous Decomposition:** Under normal storage conditions hazardous decomposition products should not be produced.

**Hazardous Polymerization:** Will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

2-Propanol, 1-methoxy-, acetate (108-65-6) [35-

65%] Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 8,532 mg/kg

Inhalation LC50 no data available

Dermal LD50 LD50 Dermal - rabbit - > 5,000 mg/kg

Other information on acute toxicity

Skin corrosion/irritation: Skin - rabbit - No skin irritation

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: Maximisation Test - guinea pig - Did not cause sensitisation on laboratory

animals. Germ cell mutagenicity: no data available

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 present 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.

Reproductive toxicity: no data available

Teratogenicity: Specific target organ toxicity - single exposure (Globally Harmonized System):

no data available

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Specific target organ toxicity - repeated exposure (Globally Harmonized System):  
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed. Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional

Information:

RTECS:

AI8925000

## SECTION 12: ECOLOGICAL INFORMATION

2-Propanol, 1-methoxy-, acetate (108-65-6) [35-

65%] Information on ecological effects

Toxicity:

Toxicity to fish mortality LC50- *Salmo gairdneri*- 100- 180 mg/1-  
96 h. Method: OECD Test Guideline 203

Toxicity to daphnia Immobilization EC50- *Daphnia magna* (Water flea)-> 500 mg/1- 48 h.  
and other aquatic Method: Tested according to Annex V of Directive 67/548/EEC. invertebrates

Persistence and degradability: Biodegradability Biotic/Aerobic Result: 100 %-Readily

biodegradable. Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: Biochemical Oxygen 0.36 mg/1 Demand

(BOD) Chemical Oxygen 1.74 mg/g Demand (COD)

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life

## SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Do not allow material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

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### SECTION 14: TRANSPORT INFORMATION

UN1263, Paint including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base, 3, PGII

### SECTION 15: REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Benzenediamine, ar,ar-diethyl-ar-methyl- (68479-98-1) [10-40%] TSCA

2-Propanol, 1-methoxy-, acetate (108-65-6) [35-65%] TSCA

Naphtha, petroleum, heavy alkylate (64741-65-7) [10-30%] TSCA

Siloxanes and Silicones, di-Me, reaction products with silica (67762-90-7) [1-10%] TSCA

Regulatory CODE Descriptions

TSCA Toxic substances control Act

IARC = IARC carcinogen Risks

### SECTION 16: OTHER INFORMATION

NFPA: Health = 2, Fire= 1, Reactivity= 0, Specific Hazard = None

HMISIII: Health = 2, Fire = 1, Physical Hazard = 0

HMIS PPE: H- Splash Goggles, Gloves, Apron, Vapor Respirator

NFPA		HMIS	
FIRE HAZARD		HEALTH	2
HEALTH	1	FLAMMABILITY	1
2	0	PHYSICAL HAZARD	0
None		PERSONAL PROTECTION	H
SPECIFIC HAZARD			

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