



## SAFETY DATA SHEET (SDS)

### ZenTreat S-360

#### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ZenTreat S-360  
**Product Application:** Metal Passivator  
**Manufacturer:** REDAChem United for Trading Co.  
P.O. Box 77683, Al Khobar 31952,  
ABT Building 2nd Floor, Al Bustan District  
Kingdom of Saudi Arabia (+966 13) 812 7775 (+966 13)812 1715  
[www.redachem.com](http://www.redachem.com)  
**Emergency Contact Number:** Saudi Arabia: +966 13 812 7775

#### SECTION 2: COMPOSITION INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	EC No.	%
Sodium Nitrite	7632-00-0	231-555-9	35 – 45
Alkalis	-	-	1 – 5
Azole	-	-	< 1

#### SECTION 3: HAZARDS IDENTIFICATION

##### Potential Health Effects:

Likely routes of exposure: Eye and skin contact.  
Eye contact: Moderately irritating to eyes  
Skin contact: Moderately irritating to skin.  
Inhalation: No information available.  
Ingestion: Harmful if swallowed.

#### SECTION 4: FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing in an unconscious person.

If in eyes: Wash thoroughly with soft, clean water for 15 minutes holding eyelids open. Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.  
If on skin: Wash thoroughly with water.  
If inhaled: Immediate first aid is not likely to be required. If symptoms occur, remove to fresh air.  
If swallowed: If the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor immediately.

#### SECTION 5: FIRE- FIGHTING MEASURES

Flash Point: Nonflammable.  
Extinguishing Media: Water spray, foam, dry chemical, or carbon dioxide.  
Fire & Explosion Procedures: Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in section 8.

**Environmental Precautions:**  
**Spill Clean-up Methods:**

Keep out of drains and water courses.  
 Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Flush spill area with water.

## SECTION 7: HANDLING AND STORAGE

### **Handling:**

Observe precautions stated on label and industrial safety regulations. Avoid contact of product with the skin and eyes. Smoking, eating, and drinking are prohibited in premises where the preparation is used. Emptied containers retain vapor and product residue. Observe all recommended safety precautions until container is cleaned, reconditioned, or destroyed. The reuse of this material's container for non-industrial purposes is prohibited and any reuse must be in consideration of the data provided in this material safety data sheet.

### **Storage:**

Keep the container tightly closed in a dry place.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Protective Equipment:**



#### **Eye Protection:**

Wear safety goggles. Provide eye washes in workshops where the product is constantly handled.

#### **Hand protection:**

Wear protective gloves

#### **Body Protection:**

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wash thoroughly after handling.

#### **Respiratory Protection:**

Not required.

#### **Ventilation:**

Provide natural or mechanical ventilation to minimize exposure.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	: Clear
State:	: Liquid
Color:	: Pale Yellow
Odor Characteristic:	: Not Specified
pH of concentrate:	: 11.5 – 12.5
Specific Gravity @ 25°C	: 1.25 – 1.35
Viscosity, cps	: Not specified
Melting Point, (°C)	: Not specified
Boiling Point, (°C)	: > 100
Percentage Volatility, (%)	: Not specified
Solubility in Water	: Soluble

## SECTION 10: STABILITY AND REACTIVITY

#### **Stability:**

Stable under proper storage conditions – avoid oxidizing agents

#### **Conditions to avoid:**

Reaction with oxidants

#### **Material to avoid:**

Acids and flammable materials

#### **Hazardous decomposition products:**

Nitrogen gases

## SECTION 11: TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

It is generally agreed that substances contained are likely to cause the appearance of major lesions which persist for at least twenty-four hours after application to the eye of an animal. And are likely to cause significant irritation which lasts twenty-four hours after application to the healthy, unbroken skin of an animal for a period of up to 4 hours.

## SECTION 12: ECOLOGICAL INFORMATION

No ecological data on the product mixture is available.

The product must not be allowed to run into drains or waterways.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### **Waste Management:**

Do not pour into drains or waterways. It has nitrogen and phosphorous compounds.

#### **Disposal Methods:**

Local, state, provincial, and national disposal regulations may be more or less stringent. Consult your attorney or appropriate regulatory officials for information on such disposal. This product should not be dumped, spilled, rinsed, or washed into sewers or public waterways.

### SECTION 14: TRANSPORT INFORMATION

UN Number: 3098  
 Proper Shipping Name: Oxidizing material, liquid, corrosive.  
 IMDG Class: 5.1  
 Packing Group: III

### SECTION 15: REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations. In addition, directive 2004/73/EC with the 29<sup>th</sup> adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

#### **Particular hazards associated with the risk and safety recommendations:**

R34 Causes burns.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S37 Wear suitable gloves



Product Label (s):

### SECTION 16: OTHER INFORMATION

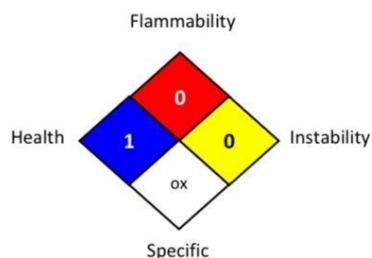
**HMIS:** Hazardous Materials Identification System

**NFPA:** National Fire Protection Association

#### HMIS Rating

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

#### NFPA 704 Rating



"This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use. The product must not be used for any purposes other than those specified under section 1 without first obtaining written handling instructions"