## 1. Product and Company Identifaction

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Product Name Anti Rust And Corrosion Preparation G

Company Details:

RXSOL CHEMO PHARMA INTERNATIONAL 356 TTC INDUSTRIAL AREA MIDC PAVNE, NEW BOMBAY 400709 INDIA

Phone +91 22 20871200

Fax +91 27612100 :::AOH :0091 9821214367

Email 123@rx-sol.com/

## 2. Composition / Information on ingredients

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Name of Substance Cas Number EINECS No Wt.% Symbol 2-phosphonobutane-1,2,4-tri 37971-36-1 2653-733-5 10 - 30% Xn carboxylic acid Mono Ethylene Glycol 107-21-1 40-50%

## 3. Hazards Identification

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Signal Word None

Hazard Statements

H335 May cause respiratory irritation.

Harmful if swallowed. H411 Toxic to aquatic life with long lasting effects.

H314 Causes severe skin burns and eye damage.

P101 If medical advice is needed, have product container or label at hand. Precautionary statements - prevention

H302

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face

protection.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce Precautionary statements - response

vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all

contaminated clothing. Rinse skin with water/shower.

P305+P351+P338IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

P310 Immediately call a POISON CENTER/doctor/physician/first aider.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P301+P312 IF SWALLOWED: Call a POISON

CENTER/doctor/physician/first aider/if you feel unwell.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Storage: Store locked up. Disposal: P501 Dispose of contents/container in accordance with local regulations.

#### 4. First Aid Measures

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Eye Contact

Skin Contact

Inhalation:

Ingestion:

Notes to Physicians

Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye in jury should only be undertaken by skilled personnel.

Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. ash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Cntre. Transport to hospital, or doctor.

Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.

Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay. Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema. Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs). As this reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest (preferably in semi-recumbent posture) and must be kept under medical observation even if no symptoms are (yet) manifested. Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone

derivative may be considered.

For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Transport to hospital or doctor without delay.

Treat symptomatically.

# 5. Fire-fighting Measures

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Suitable extinguishing media

Protective Equipment

Hazardous combustionproducts

Advice for firefighters

Water spray or fog.

Foam.

Dry chemical powder.

Use personal protective equipment.

Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus.

Prevent, by any means available, spillage from entering drains or water

course.

Fire/Explosion Hazard

Combustible.

Slight fire hazard when exposed to heat or flame.

Acids may react with metals to produce hydrogen, a highly flammable and explosive gas. Combustion products include: amp;43cw carbon dioxide (CO2)phosphorus oxides (POx) other pyrolysis products typical of burning organic material.

#### 6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. Wear suitable personal protective equipment. Respiratory protective equipment.

**Environmental Precaution** 

Storage incompatibility

Do not allow contact with soil, surface or ground water. If the products get into drains, inform the relevant authorities immediately.

Methods and materials for containment and cleaning up

Minor Spill: Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material. Check regularly for spills and leaks. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment.

Mazor Spill: Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus.

## 7. Handling and Storage

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Advice on safe handling Avoid all personal contact, including inhalation.

Wear protective clothing when risk of exposure occurs.

Use in a well-ventilated area.

Storage Store in original containers.

Keep containers securely sealed.

Store in a cool, dry, well-ventilated area.

DO NOT use aluminium or galvanised containers

Check regularly for spills and leaks

Lined metal can, lined metal pail/ can. Plastic pail. Polyliner drum.

Reacts with mild steel, galvanised steel / zinc producing hydrogen gas

which may form an explosive mixture with air.

Avoid strong bases.

Segregate from alkalies, oxidising agents and chemicals readily decomposed by acids, i.e. cyanides, sulfides, carbonates.

Advice on general occupational hygiene Wash hands after use. Do not to eat, drink and smoke in work areas.

Remove contaminated clothing and protective equipment before entering

eating areas.

## 8. Exposure controls and personal protection

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Engineering Control
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Personal Protection

Exposure Limits:

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk.

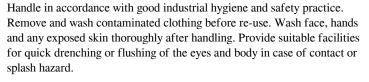
Eye & Face protection: Safety glasses with unperforated side shields may be used where continuous eye protection is desirable, as in laboratories; spectacles are not sufficient where complete eye protection is needed such as when handling bulk-quantities, where there is a danger of splashing, or if the material may be under pressure. Chemical goggles.whenever there is a danger of the material coming in contact with the eyes; goggles must be properly fitted. Full face shield (20 cm, 8 in minimum) may be required for supplementary but never for primary protection of eyes; these afford face protection.

Hand protection: Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Skin protection: Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Source	Ingredients	Material Name	TWA	STEL	Peak
European Union (EU) First List of Indicative Occupatio nal Exposure Limit Values (IOELVs) (English)	Phosphoric acid	Orthophos phoric acid	1 mg/m3	2 mg/m3	Not Available
EU Consol idated List of Indicative Occupatio nal Exposure Limit Values (IOELVs)	Phosphori c acid	Orthophos phoric acid		2 mg/m3	Not Available
Norway regulations on action values and limit values for physical an dchemical factors in the work e nvironment and infection risk groups for biological		Orthophos phoric acid		2 mg/m3	Not Available

factors (No rwegian)				
Norway regulations on action values and limit values for physical an dchemical factors in the work e nvironment and infection risk groups for biological factors (No rwegian)	Sinkklorid	1 mg/m3	Not Available	Not Available

Hygiene measures





Gloves Suit

# 9. Physical and chemical properties

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Appearance Physical state

Odour

Odour threshold

Boiling point and boiling range

Flash Point Freezing Point

pН

Evaporation rate

Flammability (solid, gas) Upper explosion limit Lower explosion limit Explosive properties Vapor pressure

Relative vapor density Relative density Colourless to yellow, miscible with water

Liquid

Not Available

Not Available

100°C

No Data Available No Data Available

6.5

No data available No data available No data available No data available No data available

No data available

1.12-1.14

Water solubility Soluble Solubility in other solvents No data available Partition coefficient: octanol No data available Autoignition temperature No data available Thermal decomposition No data available No data available Viscosity, kinematic No data available Explosive properties Oxidizing properties No data available Molecular weight No data available VOC No data available

## 10. Stability and reactivity

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Recativity

Stability Stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Incompatible materials See Section 7

Hazardous Decomposition carbon dioxide (CO2)

phosphorus oxides (POx)

other pyrolysis products typical of burning organic material.

Condition to Avoid Strong Alkaline material and Oxidizing Material

Polymerization Will not occur.

## 11. Toxicological information

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Route of Exposure Inhalation, Eye contact, Skin contact

Eyes Direct eye contact with acid corrosives may produce pain, tears,

sensitivity to light and burns. Mild burns of the epithelia generally recover

rapidly and completely.

Skin contact with acidic corrosives may result in pain and burns; these

may be deep with distinct edges and may heal slowly with the formation

of scar tissue.

Skin contact is not thought to produce harmful health effects (as classified under EC Directives using animal models). Systemic harm,

classified under EC Directives using animal models). Systemic harm, however, has been identified following exposure of animals by at least one other route and the material may still produce health damage following entry through wounds, lesions or abrasions. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably

protected.

Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Ingestion of acidic corrosives may produce burns around and in the mouth, the throat and oesophagus. Immediate pain and difficulties in swallowing and speaking

may also be evident.

The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Corrosive acids can cause irritation of the respiratory tract, with coughing, choking and

Ingestion

Inhalation

Chronic Exposure

Acute oral toxicity
Acute inhalation toxicity
Acute dermal toxicity
Classification

mucous membrane damage. There may be dizziness, headache, nausea and weakness.

Repeated or prolonged exposure to acids may result in the erosion of teeth, swelling and/or ulceration of mouth lining. Irritation of airways to lung, with cough, and inflammation of lung tissue often occurs. Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

No data available

No data available

No data available

The classification was made by the conventional (calculation) method of Dangerous Preparations Directive(1999/45/EC)

## 12. Ecological information

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Toxicity

Ingredient	Endpoint	Test Duration (hr)	Species	Value	Source
phosphoric acid %	LC50	96	Fish	75.1mg/L	2
phosphoric acid%,	EC50	48	Crustacea	>376mg/L	2
phosphoric acid%,	EC50	72	Algae or other aquatic plants	77.9mg/L	2
phosphoric acid%,	EC50	24	Crustacea	>376mg/L	2
phosphoric acid%,	NOEC	72	Algae or other aquatic plants	1071mg/L	2
2-phospho nobutane- 1,2,4-tricar boxylic acid	EC50	96	Algae or other aquatic plants	4.0015mg/ L	3
zinc chloride	LC50	96	FISH	0.03mg/L	4
zinc chloride	EC50	48	Crustacea	0.045mg/L	4
zinc chloride	EC50	24	Algae or other aquatic plants	0.0004mg/ L	4
zinc chloride	NOEC	216	Algae or other aquatic plants	>0.0001mg /L	4

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters. Wastes resulting from use of the product must be

disposed of on site or at approved waste sites.

Ecotoxicity The tolerance of water organisms towards pH margin and variation is

diverse. Recommended pH values for test species listed in OECD guidelines are between 6.0 and almost 9. Acute testing with fish showed 96h-LC50 at about pH 3.5 Prevent, by any means available, spillage from

entering drains or water courses.

Toxicity to daphnia and others

No data available
Toxicity to algae

No data available

Biodegradability Medium

Persistence and degradability

No data available

Bioaccumulative potential phosphoric acid ... %, orthophosphoric acid ... % LOW (LogKOW =

-0.7699)

2-phosphonobutane- 1,2,4-tricarboxylic acid LOW (LogKOW = -1.359)

zinc chloride HIGH (BCF = 16000)

Mobility in soil phosphoric acid ... %,

orthophosphoric acid ...HIGH(KOC = 1)

2-phosphonobutane-1,2,4-tricarboxylic acid LOW (KOC = 846)

zinc chloride LOW (KOC = 23.74)

### 13. Disposal considerations

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Remarks Please consider the relevant national or regional provisions. Waste shall

be separated into the categories that can be handled separately by the local

or national waste management facilities.

Waste Disposal The product should not be allowed to enter drains, water courses or the

soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility

## 14. Transport information

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UN Number Not Regulated for Transport

Proper shipping name Anti Rust And Corrosion Preparation

Transport hazard class(es)

ADR/RID Not Regulated
Subsidiary risk IMDG Not Regulated
Subsidiary risk IATA Not Regulated

Packing group

Packing group NA

Environmental hazards

Environmental hazards No
Marine pollutant No

ADR/RID

Hazard ID NA
Tunnel Category (E)

IMDG

EmS Code NA

IATA

Packing Instruction (Cargo) 856
Maximum quantity 60 L

Packing Instruction (Passenger)	852
Maximum quantity	5 L

## 15. Regulatory information

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Regulations

Chemical safety assessment Further information This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008 and their amendments

Chemical Safety Assessment not carried out

FOR INDUSTRIAL USE.

### 16. Other information

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Other Information

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