



SSAMC/BU-2/L.P-88/PR-1466/1981/2023

12-SEP-23

M/S

SUBJECT: PURCHASE OF ACCLERANT KN-400

Dear Sirs,

We intend to purchase the following as per detail given below.

S.NO	DESCRIPTION	QUANTITY
1	ACCELERANT KN-400 As per Data Sheet Attached	3000 KGS

Please submit your most competitive offer indicating **C&F / F.O.R Karachi** prices inclusive of all ancillary charges with minimum delivery period. Shipment must be made through **PSM-SPM** designated shipping lines (list attached). Offer must remain valid for 30 days and the same may be faxed on No: 0092-21-6770112 latest by **18-SEP-23** and original to be sent by courier.

Payment will be made through irrevocable Letter of Credit against shipping documents at sight or Cash Against Document (CAD). All bank charges inside Pakistan to be borne by **PSM-SPM** while all bank charges outside Pakistan as well as charges for additional confirmation of L/C if desired will be on your Principal/Account. On **F.O.R** basis payment will be made within (30) days after receipt and acceptance of material at **PSM-SPM** site.

Performance Bond equal to 10% of the total order value will be required from a scheduled bank operation in Pakistan if the value exceeds US\$10,000.00

Regards,

Yours Sincerely,
For **PSM Seamless Pipe Mill**


HEAD (PROCUREMENT)

MATERIAL SAFETY DATA SHEET

Product name

KN-400

SECTION 1. : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	KN-400
Product type	Liquid
Usage	Coating reaction accelerator
Restrictions on use of the product	Coating reaction accelerator for the metal
Supplier	MAANSHAN TUORUI METAL SURFACE TECHNOLOGY CO., Ltd.
Supplier Address	Huhe Industrial Zone, Maanshan Distruct,Anhui Province,China
Contact number	0555-6793369
Producer	MAANSHAN TUORUI METAL SURFACE TECHNOLOGY CO., Ltd.
Producer Address	Huhe Industrial Zone, Maanshan Distruct,Anhui Province,China
Contact number	0555-6793369

SECTION 2. : HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification	Oxidizing solid : Category 3 Acute toxicity (oral) Category 4 Acute toxicity (inhalation: dust / mist): Category 1 Serious eye damage / eye irritation: Category 2 Specific target organ toxicity (single exposure): Category 2 Specific target organ toxicity (repeated exposure): Category 2 Acute aquatic hazard: Category 1 Chronic aquatic hazard: Category 1
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2.2. Label elements

GHS US labeling

Hazards pictograms (GHS-US)



Signal word

Danger.

Hazard statements

H272 Also intensify fire ; Oxidizer
H302 Harmful if swallowed
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H371 of the body may cause damage to the (...)

Precautionary statements

H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
P210 heat, sparks, flame-air away from hot surfaces. - No smoking.
P220 Store in isolation from combustible materials.
P221 Measures to avoid mixing with combustibles.
P260 dust, fumes, gas, vapor, mist, (...) - Do not breathe spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product

MATERIAL SAFETY DATA SHEET

P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear (eye or face protection , protective gloves , protective)
 P284 Wear respiratory protection.
 P301 + P312 swallowed feel uncomfortable, call a medical center or physician.

 P304 + P340 If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 Wash if on eyes cautiously with water for several minutes. Remove contact lenses , if possible . Continue rinsing.
 P309 + P311 exposed or if you feel uncomfortable, get medical examination of the physician.
 P310 Immediately call a medical center or physician.
 P330 Rinse mouth.
 P337 + P313 Get medical attention if irritation persists in the eye .
 P391 Collect spillage.
 P403 + P233 Store in tightly closed containers in a well-ventilated place.
 P405 Keep container sealed.
 P501 Dispose of contents of the container.
 (Depending on the content specified in the relevant legislation)

Storage

Disposal

2.3. Other hazards

Other hazards not contributing to the classification

Sodium Nitrite	
HEALTH	4
FIRE	0
REACTIVITY	0

Water	
HEALTH	0
FIRE	0
REACTIVITY	0

2.4. Unknown acute toxicity

Not applicable

SECTION 3. : COMPOSITION / INFORMATION ON INGREDIENTS

Name	Trivial name	Product Identifier	%
SODIUM NITRITE	NITROUS ACID, SODIUM SALT	7632-00-0	30-50
WATER	DIHYDROGEN OXIDE	7732-18-5	50-70

SECTION 4. : FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures after eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses , if possible . Continue rinsing.

First-aid measures after skin contact

Remove contaminated clothing and shoes and please isolate the contaminated area

Material immediately upon contact with the skin and eyes Rinse under running water for 20 minutes or more

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First aid measures after inhalation	If exposed to excessive dust or fume removal to fresh air and if you have a cough or other symptoms, please seek medical attention.
First aid measures after ingestion	If hayeoteul eat or inhale the substance , not the artificial respiration mouth-to-gugangbeop Please use appropriate respiratory medical equipment
	Rinse mouth.
Indication of any immediate medical attention and special treatment needed	Keep medical personnel to recognize and take protective measures for those substances

SECTION 5. : FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	This material will be used for fire fighting related to the alcohol foam, carbon dioxide or water spray
	Suffocation during digestion will use dry sand or soil

5.2. Special hazards arising from the substance or mixture

Fire hazard	Do an intense fire ; Oxidizer In contact with other combustible materials may catch fire. Some of the combustible material can be ignited with an oxidizing agent.
Explosion hazard	Nonflammable , substance itself decomposes when heated , but the ride may cause corrosive / toxic fumes. Water may leak a fire / explosion hazard. It may explode in the heat and pollution.

5.3. Advice for firefighters

Firefighting instructions	Rescuer Wear proper protective equipment. Please roots far away in the fire area with plenty of water. The container is heated, the water scattered by the explosion may cause burns to skin and eyes
Protection during firefighting	If it's not dangerous Move containers from fire area Do not enter fire area without proper protective equipment, including respiratory protection. Please step away from tanks engulfed in fire and flames tank

SECTION 6. : ACCIDENTAL RELEASE MEASURES

6.1. personal precautions, protective equipment and emergency procedures

General measures	Wipe spills immediately that , PROTECTION . Follow the protest precautions. Avoid breathing (dust , fumes , gas, vapor , mist, spray).
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6.1.1. For non-emergency personnel

Emergency procedures	Keep away from flammable materials and spillage. Please stop the spread covered with a plastic sheet. Remove all sources of ignition.
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6.1.2. For emergency responders

Protective equipment	Without wearing suitable protective container . Do not touch a damaged or leaking water
Emergency procedures	Remove all sources of ignition.

MATERIAL SAFETY DATA SHEET

6.2. Environmental precautions

Build a levee for digestion Please collect the water.

Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment

Keep away from flammable materials and spillage

Methods for cleaning up

After the probationary Rinse the contaminated area with water.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7. : HANDLING AND STORAGE

7.1. Precautions for safe handling

Additional hazards when processed

Combustible material, (...) , and (a) Please avoid mixing action.

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

Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Provide good ventilation in process area to prevent formation of vapor.

Use personal protective equipment as required.

Hygiene measures

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

Wash hands and forearms thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Keep only in the original container in a cool, well ventilated place.

Empty drums are completely drained and properly prevents back into place immediately, please drums regulator properly placed.

Incompatible products

Heat, flames , sparks · Keep away from hot surfaces. – No smoking.

Storage area

Store, if possible, in a cool, well ventilated place away from incompatible materials.

Special rules on packaging

Handle unclean empty containers as full ones.

7.3. Specific end use(s)

No additional information available

SECTION 8. : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

KN 400	
ACGIH	Not applicable
OSHA	Not applicable

Sodium Nitrite	
ACGIH	Not applicable
OSHA	Not applicable

Water	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Appropriate engineering controls

Use process isolation, local exhaust ventilation , or other engineering controls to control Keep the air levels below the exposure guidelines.

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If you generate dust, fume or mist during operation , please ventilation to maintain air contaminants below exposure limits

Personal protective equipment	Avoid all unnecessary exposure.
Hand protection	Not applicable
Eye protection	Not applicable
Skin and body protection	Not applicable
Respiratory protection	Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
Other information	Do not eat, drink or smoke during use.

SECTION 9. : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	transparent
Color	Pale yellow
Odor	None
Odor threshold	No data available
pH	7 – 8
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	Nonflammable
Relative evaporation rate	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 °C	No data available
Specific gravity / density	1.140 – 1.155 g/cm ³
Solubility	Soluble in water.
Viscosity	No data available

9.2. Other information

No additional information available

SECTION 10. : STABILITY AND REACTIVITY

10.1. Reactivity

Do an intense fire ; Oxidizer

Stable at normal temperatures and pressure and some hydrocarbons (fuel) in conjunction with explosive reaction conditions

10.2. Chemical stability

In contact with other combustible materials may catch fire

Stable at normal temperature and pressure conditions

10.3. Possibility of hazardous reactions

Vapors, inhalation of the substance , ingestion, contact, serious injury , burns, can result in death

MATERIAL SAFETY DATA SHEET

10.4. Conditions to avoid

Heat, flames, sparks - Keep away from hot surfaces. - No smoking.

10.5. Incompatible materials

Combustible material, (...), and (a) Please avoid mixing action .

10.6. Hazardous decomposition products

Irritation and highly toxic gases by thermal decomposition or combustion can occur while riding

SECTION 11. : TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

KN 400	
Acute toxicity	Not applicable

Sodium Nitrite	
Acute toxicity	Oral : LD50 180 mg/kg (Rat)
	inhale : LC50 85 mg/l 2 hr (Mouse)

Water	
Acute toxicity	Oral : LD50 90000 mg/kg (Rat)

Skin corrosion/irritation	Unstimulated
Serious eye damage/irritation	Eye irritation test result moderate irritation of rabbit.
Respiratory or skin sensitization	No data available
Inhalation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available

SECTION 12. : ECOLOGICAL INFORMATION

12.1 Toxicity

KN 400	
Not applicable	

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Other adverse effects

Other information Avoid release to the environment.

SECTION 13. : DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal recommendations Dispose in a safe manner in accordance with local/national regulations.
Ecology waste materials Avoid release to the environment.

MATERIAL SAFETY DATA SHEET

SECTION 14. : TRANSPORT INFORMATION

Department of Transportation (DOT)	UN NO. 1500
	Transport hazard class in 5.1
Packing rate	3
Additional information	
Other information	No supplementary information available.
ADR	No additional information available
Transport by sea	Not classified as Dangerous Goods by IMDG for sea transportation.
Air transport	Not classified as Dangerous Goods by IATA for air transportation or follow the regulations set out by the country

SECTION 15. : REGULATORY INFORMATION

15.1 Regulatory Korea

Regulatory information No data available

15.2 International regulations

CANADA No data available

National regulations No data available

15.3 US State regulations

Regulatory information No data available

SECTION 16. : OTHER INFORMATION

Revision data 28/04/2016

Other information None.

Purchase Requisition

Description Phosphate (KN-400) Imp.

P.R.NO. SPM/1466

DATE 25-AUG 23

SR. NO.	INVENTORY CODE	DESCRIPTION / SPECIFICATION JUSTIFICATION	QTY	ES. COST	QTY. AVAIL	LAST PURCHASE DATA		
						Date	QTY.	PRICE
	MP1200008	ACCELERANT KN-400 Required for pickling of cold drawn pipes at SPM. Requested by Mr. Ali Fakhar, AM SPM, Ext: 2704.	3000 Kilogram	260		150523	1000	262

DATE BY WHICH
REQUIRED

09-SEP 23

Preparer

Name Rizwan Ali

Ext. #

Requester

Name Rizwan Ali

Ext. #

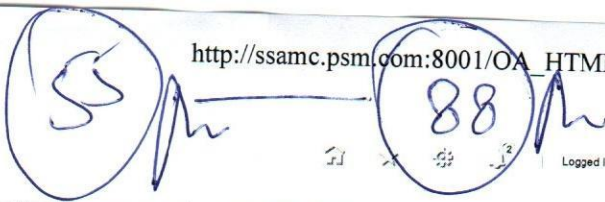
Buyer

Name Syed Farooq Ahmed

Ext. #

Note to Buyer :

1. Metal surface treatment chemicals for cold drawing and cold rolling of seamless carbon steel and low alloy steel pipes/tubes (data sheet attached).
2. Offer required on Import (C&F) basis.
3. Supplier provide technical data sheet and process control parameters.
4. Also Send Enquiry to OEM M/s Zhanjiagang Hengli Machinery Co Ltd China.



SSAMC_PURCHASING_REQUISITION BU-2

Logged in As SALEEM.AHMED

Worklist >

Information

This notification has been closed with the result: Approve

Purchase Requisition 1466 for Rizwan Ali (780,000 PKR)

From Azam Hanif Zuberi
To Saleem Ahmed
Sent 23-Aug-2023 08:22:03
Closed 25-Aug-2023 11:27:24
ID 2842559
Responder Saleem Ahmed

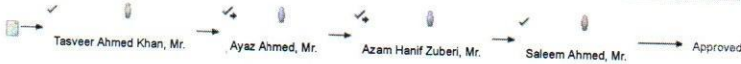
Description Phosphate (KN-400) Imp.
Total 780,000 PKR
Tax (Non Recoverable) 0 PKR
Justification 1. Current Inventory Nil 2. Last Purchase Aug-2022. 3. Required for pickling of cold drawn pipes at SPM. 4. Requested by Mr. Ali Fakhar, AM-SPM, Ext: 2704.
Attachments KN 400 Specs

Requisition Lines

Line	Description	Supplier	Cost Center	Unit	Quantity	Price (PKR)	Amount (PKR)	Charge Account
1	ACCELERANT KN-400		0000000	Kilogram	3000	260	780,000	102-0000000-1020102002-0000000-0000

Table Diagnostics

Approval Sequence



Num	Name	Action	Action Date	Note
7	Saleem Ahmed, Mr.	Approved	25-Aug-2023 11:27:24	
6	Azam Hanif Zuberi, Mr.	Forwarded	23-Aug-2023 08:22:03	
5	Azam Hanif Zuberi, Mr.	Approved	23-Aug-2023 08:22:03	
4	Ayaz Ahmed, Mr.	Forwarded	08-Aug-2023 08:26:49	
3	Ayaz Ahmed, Mr.	Approved	08-Aug-2023 08:26:49	
2	Tasveer Ahmed Khan, Mr.	Approved	25-Jul-2023 10:44:51	
1	Rizwan Ali, Mr.	Submitted	24-Jul-2023 14:37:59	1. Current Inventory Nil 2. Last Purchase Aug-2022. 3. Required for pickling of cold drawn pipes at SPM. 4. Requested by Mr. Ali Fakhar, AM-SPM, Ext: 2704.

Table Diagnostics

Related Applications

- Edit Requisition
- View Requisition Details
- Open Document

Response

Forward To Note

Return to Worklist

Display next notification after my response

Diagnostic Console