



SDA GROUP OF COMPANIES



SDA PRODUCT

(ISO & GMP CERTIFIED COMPANY)

(MFG - Animal Cattle Aqua & Poultry Feed Supplements and Additives)

Contract Manufacturing:-

**Mineral Mixtures / Minerals Blendings
(As per clients requirements)**

SAGAR ANANDPARA - +91 9930160151 / +91 8591710260

HARISH ANANDPARA - +91 9820048309

H.O.:

First Floor, Neelkanth Apartment, Vazira Naka, Borivali (W), Mumbai - 400 092.

Tel.: +91 22 28982067 Mob: +91 8097019944 / +91 7977474022

Factory:

Unit I- Plot 2815, Chemical Zone, Sarigam GIDC, Gujarat-396155.

Unit II - Plot No. 545, Karanjgham, Chemical Zone, Sarigam GIDC, Gujarat-396155.

Email:

info@sdaproducts.com / sdaindustriesmumbai@gmail.com / sales@sdagroup.in
sagaranandpara0007@gmail.com / harishanandpara@yahoo.in



Website : www.sdaproducts.in



SDA PRODUCT

Product

- CHOLINE CHLORIDE 97-98% PURE
- CHOLINE CHLORIDE 75 % LIQUID
- CHOLINE CHLORIDE 60 % CORN COB BASE
- CHOLINE CHLORIDE 50% SILICA BASE
- TRI CALCIUM PHOSPHATE (TCP)
- DI CALCIUM PHOSPHATE (DCP)
- SDATOX
- SOYABEAN MEAL
- TOXIN BINDER DATOX
- PREMIX VITAMIN E 50%



مركز الاعتماد الدولي
International Accreditation Centre

Website : www.sdaproducts.in



Choline Chloride 97-98% Pure

Description :

Choline Chloride is indispensable for a number of fundamental processes in the body. Although a natural ingredient in many foodstuffs, the concentration is usually too low to ensure proper development and optimum growth in young animals.

Choline chloride is the most widely used - and most economical - form of choline for supplementing diets. Mainly used as an animal feed additive.

Generally classified as a B-complex vitamin (referred to as vitamin B4 in some publications), choline influences the metabolism of carotene and vitamin A in animals. It is in fact an essential component for ensuring the proper functioning of the nervous system. Choline plays a vital role in a number of different ways:

- by building and maintaining cell structures;
- by forming acetylcholine for the transmission of impulses;
- by preventing perosis in poultry; and
- by building lecithin.

Specifications:

| | | |
|---|----------------------------------|--------------------------------------|
| 1 | Description | White crystalline Hygroscopic Powder |
| 2 | Choline Chloride Content (Assay) | N.L.T.97% |
| 3 | Moisture | LESS THAN 6% |
| 4 | pH | 6.5-8 |





Choline Chloride 75% Liquid

Product Description

Anichol-75 is Choline Chloride Aqueous 75% that is essential for growth and optimum health of poultry bird and helps in getting best returns on investments.

Composition:

Choline Chloride Aqueous 75%

Composition:

Choline Chloride Aqueous 75%

Colourless & odorless liquid

Benefits:

Prevent fatty liver syndrome Prevents bone abnormality or Perosis in chicks Improves FCR & growth

Recommended Inclusion Level (gm/MT of Feed):

Commercial Layers, Commercial Broilers, and Breeders: 1 ml/liter of water



Description Characteristics

Chemical name — **PREMIX CHOL 75% liquid / F. G.**

Form — Liquid

Color — Colorless

Purity

Physical Appearance — Colorless Liquid

Content % w/w — 73% TO 75%

PH value — 6-8



Website : www.sdaproducts.in



Choline Chloride 60% Corn COB Base

FUNCTIONS

- Formation of Acetylcholine necessary for the transmission of Nerve impulses.
- As a phospholipids, structural component of the cell wall and bone growth.
- As an essential factor in fat metabolism in the liver
- As a methyl dopa for the formation of methionine from homocysteine

BENEFITS

- Avoids fat accumulation in liver
- Prevents fatty liver and kidney syndrome
- Promotes egg yolk formation
- Avoids perosis and enlarged hocks
- Prevent lesions appearing on the footpad, tank, and toes together with eye exfoliation and exudative dermatitis
- Avoids embryonic mortality. Dwarfing, chondrodystrophy and deformities in chicks while hatching*
- Improves meat quality

DOSAGE

- As per the recommendation of the Veterinarian/Consultant



| No. | Test | Limits |
|-----|----------------------------------|--------------------------|
| 1 | Description | Brown Hygroscopic Powder |
| 2 | Choline Chloride Content (Assay) | 58% to 60% |
| 3 | CORN BASE | 40% |
| 4 | Moisture | LESS THAN 5 % |
| 5 | pH | 6.5 - 8 |



Website : www.sdaproducts.in



Choline Chloride 50% Silica Base

Applications:

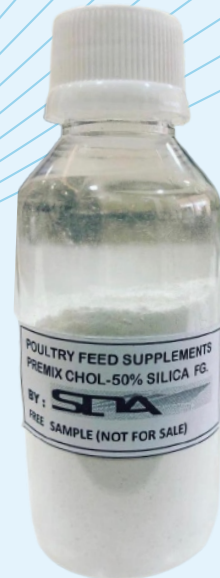
Choline is indispensable for a number of fundamental processes in the body. Although a natural ingredient in many feedstuffs, the concentration is usually too low to ensure proper development and optimum growth in young animals, especially poultry, pigs and calves, but also cats, dogs and other furbearing animals. Generally classed as a Bcomplex vitamin (sometimes referred to as vitamin B4) choline influences the metabolism of carotene and vitamin A in animals. It is an essential component for ensuring the proper functioning of the nervous system. Choline.

plays a vital role by:

- building and maintaining cell structures;
- forming acetylcholine for the transmission of impulses;
- preventing perosis



50% silica base



POULTRY FEED SUPPLEMENT
FOR ANIMAL USE ONLY
FOR VETERINARY USE ONLY.

Specifications:

| | | |
|---|---------------------------------------|--------------------------------------|
| 1 | Description | White crystalline Hygroscopic Powder |
| 2 | Choline Chloride Content (Assay) | 50% |
| 3 | Precipitated Silica White Powder base | 50% |
| 4 | Moisture | LESS THAN 5% |
| 5 | pH | 6.5-8 |



Website : www.sdaproducts.in



Tri Calcium Phosphate (TCP)

Tri Dicalcium Phosphate

(DCP) Animal Feed Grade

(Source of Highly bio-available Calcium & Phosphorous for feeding Cattle, Poultry, Aquatic Species, Pigs & all other Animal Species.)
Amrit DCP Feed Grade is Produced By Neutralising

Defluorinated & Purified Phosphoric Acid, Under Precise Conditions. The Phosphoric Acid Is Manufactured In-house From Mineral Rock Phosphate/Phosphate Ore.

SDA PRODUCT is a well-established and diversified Manufacturer and Exporter of specialty Chemicals, Animal feed Supplements & Feed Additives with consistent quality of World Class Standard. The Company is incorporated with the main object of Manufacture of Di-Calcium Phosphate (DCP), Tri-Calcium Phosphate (TCP), and Mineral Mixture in the arena of Animal Feed. Our Production unit is well equipped to manufacture & supply bulk orders on time as per our customer expectations.

Our Company has a Strong Passion for Animal, Poultry and Aqua related products made us to start this new Feed/Food Supplements Project with an empirical knowledge of around 23 Years, Providing wide range of services and technological solutions specifically targeted at the most cost effective, robust development.

PHOSPHORUS is one of the most important minerals in animal nutrition and a vital component of life. It is the second most abundant element in animal's body after calcium, with 80% of Phosphorus found in the bones and teeth, with the reminder located in the body fluids and soft tissue.

PHOSPHORUS plays a key metabolic role and has more physiological functions than any other mineral. These functions involve major metabolic processes such as.

1. Genetic Transmission and Cellular Metabolism (DNA component).
2. Development and Maintenance of Skeletal Tissue.
3. Maintenance of Osmotic Pressure and Acid Base Balance.
4. Energy Utilization and Transfer.
5. Protein Synthesis, Transport of Fatty Acids, Amino Acid Exchange.
6. Appetite Control, Efficiency of Feed Utilization and Fertility.
7. Promotes the hybridization rate, embryo protect rate and survive rate of domestic animals.
8. Promote the animal's growth rate, re-production capability,



| | |
|---------------------------|--|
| Description : | White crystalline powder odourless & tasteless 100% passing through 80 mesh |
| Solubility : | Practically insoluble in water & in ethanol (95%) is dissolves in dilute HCL & HNO3 |
| Identification: A & B | A . Calcium salt & B Phosphates. |
| Acid Insoluble substances | NMT 0.3% |
| Water soluble substances | NMT 0.5% |
| Water content | NMT 2.5% W/W |
| Arsenic | NMT 5 PPM |
| Heavy Metals | NMT 40 PPM |
| Iron | NMT 200 PPM |
| Carbonate | No effereveencecs produceed |
| Chloride | NMT 0.10% |
| Sulphate | NMT 0.6% |
| Proteinous impurities: | No unpleasant odour |
| Loss on ignition | NMT 8.0% at 800 oC |
| Assay | 90.0% to 105% of Ca3(po4)2. |
| Phousphors | 17% to 18% |
| Calcium | 29% to 30% |



Website : www.sdaproducts.in



Dicalcium Phosphate (DCP)

Dicalcium Phosphate

(DCP) Animal Feed Grade

(Source of Highly bio-available Calcium & Phosphorous for feeding Cattle, Poultry, Aquatic Species, Pigs & all other Animal Species.)
Amrit DCP Feed Grade is Produced By Neutralising

Defluorinated & Purified Phosphoric Acid, Under Precise Conditions. The Phosphoric Acid Is Manufactured In-house From Mineral Rock Phosphate/Phosphate Ore.

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7. Promotes the hybridization rate, embryo protect rate and survive rate of domestic animals.
8. Promote the animal's growth rate, re-production capability,



| Tests | Standard. |
|--|--|
| 1) Description | White, crystalline, free flowing, testless powder. |
| 2) Odour | Odourless |
| 3) Moisture (Max) | 5% |
| 4) Calcium (Min) | MINIMUM 24.00% |
| 5) Phosphorus (Min) | 16.00 TO 18.00 % |
| 6) Flourine (Max.) | 0.10% |
| 7) Silica (Acid Insoluble Ash) (Max) | 1.00% |
| 8) Loss On Ignition (Ash Contents) | 24.0% TO 27.0% |
| 9) Lead PPM (Max.) | 30 PPM |
| 10) Arsenic PPM (Max) | 10 PPM |



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SDATOX

SDATOX is a broad spectrum Toxin Binder and mold inhibitor containing HSCAS, Activated Charcoal, MOS, Yeast, Organic acids and fortified with toxin neutralizing enzymes.

it is an advance blend of brood spectrum multi toxin binders. it arrests mold growth and prevent mycotoxicosis by effectively binding with oil mycotoxins, it binds and immobilizes the mycotoxins in the GI tract because of its unique composition with enzymes. it reduces the bio availability and toxicity of multiple mycotoxins in the birds. SDATOX Bio is highly effective against both natural and synthetic toxin and acts as a patent fungicidal reducing mold growth.

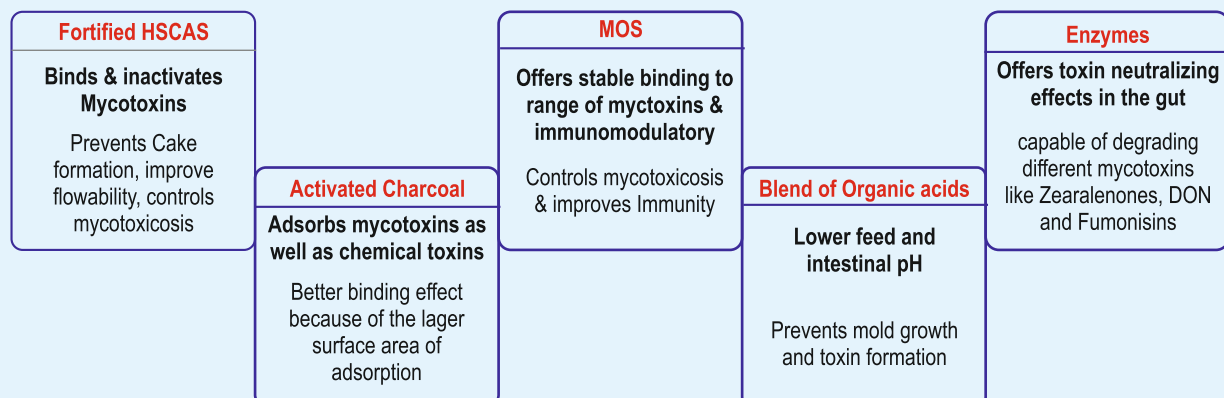
FEATURES OF SDATOX:

- Effective and beneficial to animal health
- Free flowing powder forms aids the ease of mixing with feed
- Stable during feed processing (Pelleting and extrusion) and storage
- It is stable over a wide range of conditions i.e. Ph, Temperature and Humidity

DOSE OF SDATOX:

- 500 GM/MT when moisture is less than 10%
- 1000 GM/MT when moisture is more than 10%

HOW SDATOX acts and ita benefit





SOYABEAN MEAL

Soyabean Meal is an antibiotic growth promoter which helps to improve the growth and body weight in the birds. It is a fermented product which has very high bioavailability of Bacitracin.

Composition

Bacitracin Methylene
Disalicylate - 10%

Soyabean Meal is an antibacterial polypeptide produced by the growth of a gram-positive, spore-forming organism belonging to the licheniformin group of *Bacillus subtilis*, which acts by interfering with bacterial cell wall synthesis.

Benefits:

Soyabean Meal is the convenient, cost-effective, and versatile antibacterial feed additive for poultry, cross cleared with all major feed medications.

Soyabean Meal is a proven digestive enhancer that improves growth rate and feed conversion.

Soyabean Meal is also highly effective against *C. perfringens*, the cause of necrotic enteritis.

Indications:

Necrotic enteritis, *Clostridium*, *Streptococcus* and other gram positive and gram negative organisms
To Improve FCR

Mode of action

Bacitracin inhibits bacterial cell wall synthesis. It also affects protein synthesis and membrane function of pathogens, thus producing bactericidal action.



Website : www.sdaproducts.in



Toxin Binder Datox

SDA - DATOX (TOXIN BINDER)

Composition

| | |
|------------------|-------------|
| SAFETOX EXTRA | |
| FORMIC ACID | 2 PERCENT |
| PROPIONIC ACID | 2.5 PERCENT |
| ACETIC ACID | 3 PERCENT |
| BENZOIC ACID | 2 PERCENT |
| SORBIC ACID | 0.5 PERCENT |
| MOS | 1 PERCENT |
| FULVIC ACID | 1 PERCENT |
| SODIUM HUMATE | 1 PERCENT |
| POTASSIUM HUMATE | 1 PERCENT |
| HSCAS q.s | |

Packing 25 kgs

POR POULTRY ALIVEISTOONS
AGUACULTURE UN ONLY
HOT FOR MEDICINALE
NELIA PERO SUPPLEMENT
STORE NA ODOBRY PLACE
PROTECT FROM CORECT SULAKE

Benefits:

For Management of Toxins as a Toxin Binder to Control broad Spectrum of Moulds and Toxins in Feed. High Efficacy towards Polar and non Polar Mycotoxins. Effectively prevents Mould Growth in the Feed. Improves liver Function and Prevent fatty liver Syndrome. Selectively Absorbs Toxins and does not Absorbs Vitamins & Minerals in Feed. MOS helps in removing bad Bacteria by Competitive Exclusion

Usage & Administration:

Regular use :500 gm-1 kg/ton Feed
Treatment: 2 kg/ton feed
Toxin Binder + Acidifer2 kg/ton feed
Or as directed by veterinarian I consultant



Website : www.sdaproducts.in



Premix Vitamin 50%

VITAMIN PREMIX

Description :
Vitamins (B-complex, A,D,E,K)
premix for supplementation of the broiler and
poultry feed ration and as prevention of vitamin deficiencies.

Appearance

Yellowish off white color free flowing powder

Advantages

- Ensure full potency of all Vitamins
- Homogenous mixing in feed
- Vitamin supplementation as per requirement of birds
- Enhance profitability
- Cost effective feed formulation



COMPOSITION

PER KG

| COMPOSITION | PER KG |
|-------------------------|-----------|
| Vitamin A | 48 MIU |
| Vitamin D3 | 11 MIU |
| Vitamin E/toco. Acetate | 20.00 gm. |
| Vitamin B1 | 10.00 gm. |
| Vitamin B2 | 30.00 gm. |
| Vitamin B6 | 14.00 gm. |
| Vitamin B12 | 0.08 gm. |
| Vitamin K3 | 6.400 gm. |
| Vitamin C | 52 gm. |
| Nicotinamide | 104 gm. |
| Ca-Pantothenate | 44.00 gm. |
| Folic acid | 4.80 gm. |
| Biotin | 00.40 gm. |
| Carrier | QS |

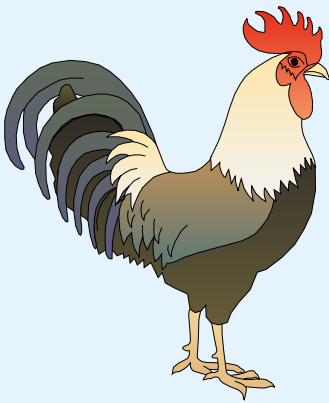
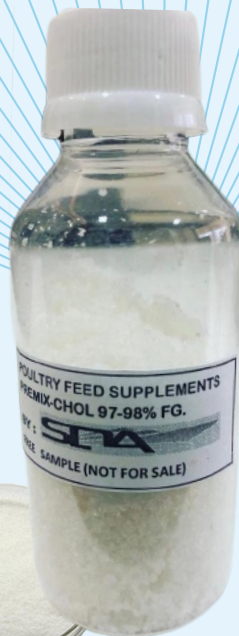
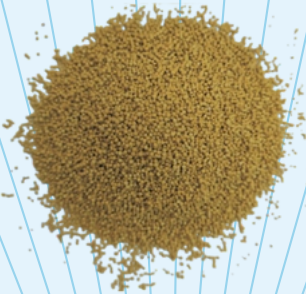
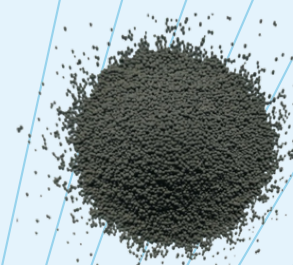
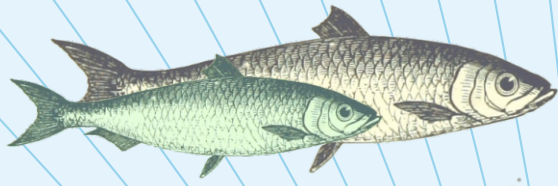
Recommended doses

Broiler, Layers, Breeders 250 gm - 500 gm / ton feed

Packing: Growmix-V is available in
25 kg polyethylene bag



Website : www.sdaproducts.in



مركز الاعتمادات العالمي للتقنية
Global International Accreditation Centre

Website : www.sdaproducts.in

Certificate of Compliance
This is to certify that the product/s manufactured by:
SDA PRODUCT
PLOT NO. 2815, SDA PRODUCT, CHEMICAL ZONE,
GIDC, SARIGAM, VALSAD, GUJARAT - 396155, INDIA
has been independently assessed by PQC and found to comply with the requirements of
(Hazard Analysis Critical Control Points) HACCP
For the following scope:
MANUFACTURING OF ANIMAL CATTLE AQUA AND POULTRY FEED SUPPLEMENTS & ADDITIVES.
Certification Calendar:
Client Id: 45286
Certificate No: INHP/GUJ-46529/0724
Initial Registered Date: 08.07.2024
Date of Expiry: 07.07.2027
1st Surv. Due: 07.07.2025
2nd Surv. Due: 07.07.2026

PARAMOUNT QUALITY CERTIFICATIONS
ISO 22000
HACCP
CERTIFIED

Authorized Signatory

Certificate of Compliance
This is to certify that the product/s manufactured by:
SDA PRODUCT
PLOT NO. 2815, SDA PRODUCT, CHEMICAL ZONE,
GIDC, SARIGAM, VALSAD, GUJARAT - 396155, INDIA
has been independently assessed by PQC and found to comply with the requirements of
GMP (Good Manufacturing Practice)
For the following scope:
MANUFACTURING OF ANIMAL CATTLE AQUA AND POULTRY FEED SUPPLEMENTS & ADDITIVES, EXPORTING, TRADING & MARKETING OF AGRO PRODUCTS, FEED SUPPLEMENTS/ ADDITIVES AND THEIR MEDICINES- SEA FOOD PRODUCTS LIKE DRY JAWLA DRY FISH, VARIOUS SOLVENTS, APIs, MINERAL MIXTURES, VITAMINS PREMIX AND FORMULATIONS PHARMA & FOOD RELATED PRODUCTS, HEALTH CARE PRODUCTS FOR ANIMALS.
Certification Calendar:
Client Id: 45286
Certificate No: INGMP/GUJ-46528/0724
Initial Registered Date: 08.07.2024
Date of Expiry: 07.07.2027
1st Surv. Due: 07.07.2025
2nd Surv. Due: 07.07.2026

PARAMOUNT QUALITY CERTIFICATIONS
ISO 22000
GMP
CERTIFIED

Authorized Signatory

Certificate of Registration
This is to certify that
SDA PRODUCTS.
H.O. OFFICE ADD: 101, NEELKANTH APARTMENT, T.P.S.III, OPP. RAM MANDIR EXTN, ROAD, OPP. JANKAI MATTA MANDIR, VAZIRA NAKA, BORIVALI (W), MUMBAI - 400092
FACTORY ADD: PLOT NO. 2815 / W/1 SHIRIRANGI CHEMICAL, CHEMICAL ZONE, GIDC SARIGAM, OPP GOLDSTAB CHEMICALS, NEAR SANDHYA CHEMICALS, BHILAD STATION, GUJARAT 396155.
has been independently assessed by UTGEC and is compliant with the requirement of:
ISO 22000:2018
Food safety management systems
For the following scope of activities:
"Manufacturing Of Animal Cattle Aquanaud Poultry Feed Supplements Additives Cholinechloride Diammonium Phosphate Tri Calcium Phosphate Mono Calcium Phosphate Mineral Mixtures Vitamin Premix Feed Amino Acid Like Di Methionine L Lysine L Threonine Supplements Formulations For Animal Cattle Aqua And Poultry And Manufacturing Exporting Trading And Marketing Omega Products - Soybean Meal / Soybean Seeds / Animal, Cattle - Aquanaud Poultry, Feed supplements Additives And, Their Mixtures - Sea Food Products Like Dry Jawla / Dry Fish, Others Solvents, APIs, Mineral Mixtures, Vitamin Premix And Formulations - Pharma & Food Related Products Health Care"
Validity of this certificate can be verified at www.utgec.com/verify
Certificate No. - IN/PSMS/279272024
2009
Datum Van Publicatie / Date of Issue : 10/06/2024
Vervaldatum / Date of Expiry : 09/06/2027
1st Annual surveillance audit due on : 09/06/2025
1st Annual surveillance audit due on : 09/06/2026
Director (Certifications)
UT Global Evance Certification Inc.
www.utgec.com
The certificate can be verified at the above URL.
The certificate remains the property of UT Global Evance Certification Inc. to whom it must be returned on request. Lack of fulfillment of certification terms and conditions at all times, may render this certificate invalid.



CERTIFICATE OF REGISTRATION
S.D.A PRODUCT
HEAD OFFICE:- 01, NEELKANTH APARTMENT, OFF RAM MANDIR EXTN ROAD, VAZIRA NAKA, BORIVALI (W) MUMBAI, MAHARASHTRA - 400092 (INDIA)
UNIT 2 - PLOT NO 2815, CHEMICAL ZONE, GIDC, B/H SHREE RANG CHEMICALS, SARIGAM, DIST. VALSAD, GUJARAT - 396155 (INDIA)
has been assessed and certified by Ranalysis Certification Pvt. Ltd. as meeting the requirements of:
ISO 9001:2015
QUALITY MANAGEMENT SYSTEM
For the following Scope
DEALS IN MARKETING OF AGRO PRODUCTS, ANIMAL, CATTLE, AQUA AND POULTRY, FEED SUPPLEMENTS, ADDITIVES CHOLINE, CHLORIDE DICALCIUM, PHOSPHATE, TRI CALCIUM PHOSPHATE MONO CALCIUM PHOSPHATE MINERAL, MIXTURES VITAMIN PREMIX FEED SUPPLEMENTS, FORMULATIONS FOR ANIMAL, CATTLE AQUANAUD SEA FOOD PRODUCTS, DRY JAWLA, DRY FISH, VARIOUS SOLVENTS AND APIS
Certification No.: B4IA3DD6
Date of Certification : 2024-07-10
2nd Surveillance Due : 2026-07-10
Verify at : www.ranalysiscert.com
Certificate Expiry : 2027-07-10
Validity of the certificate is subject to successful completion of surveillance audit.
IAF
EGAC Accredited
Ranalysis
Authorized Signatory

Government of India / भारत सरकार
Ministry of Commerce and Industry / वणिज और उद्योग विभाग
Directorate General of Foreign Trade / विदेश व्यापार निदेशिका
Office of the Additional Director (General) of Foreign Trade, Mumbai
CGO Office, New Building, SE wing, New Marine Lane, Chanchdga, MUMBAI, MAHARASHTRA, 400020 / सीबीडी कार्यालय, न्यू बिल्डिंग, एच वी लीन मार्ग, चण्डीगा, मुंबई, महाराष्ट्र, 400020
Importer-Exporter Code
This is to certify that SDA PRODUCT is issued an Importer-Exporter Code (IEC) 0301036659 with details as follows -

| | |
|--|---|
| IEC | 0301036659 |
| साईड कागज सं. (EPC) / PAN | AAAPA949R |
| ब्रांड का नाम / Firm Name | SDA PRODUCT |
| विषय की प्रकृति / Nature of Concern | Proprietorship |
| व्यक्ति का पते की तारीख / Date of Issue | 05/10/2001 |
| पता / Registered Address | 101, NEELKANTH APARTMENT, T.P.S.III, OPP. RAM MANDIR EXTN RD Contact No: 919930160151, VAZIRA NAKA, BORIVALI WEST, MUMBAI SUBURBAN, MAHARASHTRA, 400091 |
| हस्ताक्षर का नाम / Name of the Signatory / Partner Details | Harish Shantil Anandpara |
| सहायक / Branch Details | Refer online at https://dgft.gov.in or scan the QR Code |
| Last Modified : 18/05/2024 | |
| File Number : MUMIECPAMEND0015027AM25 | |

Note : This is a system-generated certificate. Authenticity / Updated details of the IEC can be checked at official DGFT website <https://dgft.gov.in> by entering the IEC and Firm Name under Services > View Any IEC Details. You can also authenticate the certificate by scanning the QR code.

This is to certify that the following product(s) of
SDA PRODUCTS
FACTORY ADD: PLOT NO. 545 / B/H SHIRIRANGI CHEMICAL, CHEMICAL ZONE, GIDC SARIGAM, OPP GOLDSTAB CHEMICALS, NEAR SANDHYA CHEMICALS, BHILAD STATION, GUJARAT 396155.
HO OFFICE ADD: 101, NEELKANTH APARTMENT, T.P.S.III, OPP. RAM MANDIR EXTN, ROAD, OPP. JANKAI MATTA MANDIR, VAZIRA NAKA, BORIVALI (W), MUMBAI - 400092
are certified HALAL by Islamic Procedures
HALAL
This certificate is applicable to the following product ranges
المنتجات المذكورة أعلاه هي آمنة للاستهلاك من قبل المسلمين.
MANUFACTURER, SUPPLIER AND EXPORTER OF ANIMAL CATTLE AQUANAUD POULTRY FEED SUPPLEMENTS (See Annex I)
الأدوية والمواد الغذائية التي تصنع في هذه المصانع آمنة للاستهلاك من قبل المسلمين.
Validity of this certificate can be verified at www.utgec.org/verify
Certificate Number - INHALAL/28148339
Date of Initial Registration : 11/06/2024
Date of this Certificate : 11/06/2024
Certificate Expiry : 11/06/2027
Recertification Due : 11/06/2023
Authorized Signatory (Certification Head)
UT Global Evance Certification Inc.
www.utgec.com
The certificate can be verified at the above URL.
The certificate remains the property of UT Global Evance Certification Inc. to whom it must be returned on request. Lack of fulfillment of certification terms and conditions at all times, may render this certificate invalid.



OIL DRILLING

PRODUCT LIST

- Choline Chloride 75% / 70% Liquid
- Drilling Bentonite
- Potassium Chloride KCL
- High Viscosity Hydroxy Ethyl Cellulose
- Calcium Chloride
- MICA
- NACL
- Calcium Carbonate (CACO3)
- Guar Gum
- Caustic Soda



Choline Chloride 75% / 70% Liquid

CHOLINE CHLORIDE - 75% Aq

Choline Chloride in Clay Stabilization for the Oil and Natural Gas Industry

Choline chloride 75% is a chemical compound which is used into various industrial applications, predominately as a component for hydraulic fracturing of shale natural gas wells.

Choline Chloride in Clay Stabilization for the Oil and Natural Gas Industry

Drilling and stimulation in shale and other clay containing formations pose challenges due to clay swelling. This swelling causes a number of issues.

INCLUDING

- Wellbore instability
- Cuttings disintegration
- Bit balling
- Fines migration
- Reductions in permeability of the formation to hydrocarbons

Choline Chloride has proven itself as a safe and very effective clay stabilizer, at a reasonable cost. It functions through ion exchange, where choline chloride provides a cation to replace the native, solubilized clay cation (typically sodium).

Choline Chloride is used as a shale swelling inhibitor in drilling fluid, completion fluid, and workover fluid, to prevent shale from expansion and hydration, providing wellbore stability.

These issues can result in higher drilling costs and slower production rates. Clay stabilizers reduce clay swelling and its associated risks leading to lower drilling costs and improved production rates.

Potassium chloride (KCL) is commonly used in preventing the swelling of clay as a temporary clay stabilizer. However, the use of KCL in drilling carries environmental concerns as chlorides do not degrade and can enter surface water carrying heavy metal including cadmium and mercury.

The key features offered by Choline salts as an alternative to traditional clay stabilizers include:

- Biodegradability and reduction in the amount of chlorides
- Superior performance and use at much lower levels
- Compatibility with brine, calcium chloride and KCL solutions
- Ability to work well with known fracturing fluids, cross-linkers and breakers
- Minimization in chemical handling including pre-mixing and saltwater disposal
- Flexibility for use in all environments





DRILLING BENTONITE

Our Bentonite is a material composed of clay minerals, predominantly montmorillonite with minor amounts of other smectite group minerals, commonly used in drilling fluids.

OUR RANGE OF BENTONITE INCLUDES:

| Product Name | Description |
|----------------|---|
| OCMA Bentonite | OCMA grade bentonite for water based drilling fluid |
| API Bentonite | API grade bentonite for water based drilling fluid |

We stands guarantee of performance of all products manufactured at our manufacturing facilities.

POTASSIUM CHLORIDE KCL

Slender colorless diamond or cubic crystal or white crystalline powder of small particles,like the appearance of salt, no smell, taste salty, soluble in water, soluble in glycerine, slightly soluble in ethanol.

Potassium chloride can be used for drilling chemical reagent, excellent grade pure products can be used as a slow granule and HPLC analysis reagent, etc.



HIGH VISCOSITY HYDROXY ETHYL CELLULOSE VISCOSIFIERS

PRODUCT DESCRIPTION

Hydroxyethyl cellulose is a high-purity chemical cotton or pulp and the alkali-catalyzed reaction of ethylene oxide is made. It processing and filling in the mud with increasing viscosity. Thickened slurry with easy acids, enzymes or oxidizing degradation of hydrocarbons and maximizing the recovery of oil. These fluids can easily be more acid, enzyme or oxidant degradation.

APPLICATION/FUNCTION

"It can be formulated with the ideal low-solid drilling fluid, which provides greater penetration and better drilling stability. The rejection characteristics of the fluid can be used in hard rock drilling in the layer structure, the same applies to Bengtan or slippery layer of drilling slump page

"Cement operations in the filling, It reduces pore pressure slurry friction, so that the loss of water damage to the structure reduced to a minimum

ADVANTAGES

Helps provide a good low-solid mud, and can reduce the hole minimum damage
Thickeneds slurry with easy acids, enzymes or oxidizing degradation of hydrocarbons and maximizing the recovery of oil
Ruptures in the mud
Plays the role of sediment carried

TECHNICAL DATA

| | |
|----------------|------------------------------|
| Appearance | White or light yellow powder |
| pH | 5.5-7 |
| Loss on drying | 5.0% Max |

SHIPPING

Transportation of commodity name is not restricted by international regulatory agencies.

SAFE HANDLING RECOMMENDATIONS

Utilize normal precautions for employee protection when handling chemical products. Use of standard PPE is recommended for employee comfort and safety. See Material Safety Data Sheet (MSDS) prior to use.

PACKAGE AND STORAGE

25kg bags, jumbo bags or according to customer's requirement. Avoid high-intensity extreme pressure and prolonged exposure to strong sunlight. Keep container closed. Keep away from heat, sparks and flames.



CALCIUM CHLORIDE

SHALE INHIBITOR

PRODUCT DESCRIPTION

Calcium Chloride (CaCl_2) is used as a brine for completion, workover and packer fluids in water and oil based drilling fluids and used in invert emulsion fluids.

APPLICATION/FUNCTION

Used in drilling fluids as a means of producing dense brines, which are applied in completion, workover, gravel-packing, perforating, and packer fluids because of the divalent charge, less commonly used in reservoir drill-in fluids.

Can be used in invert emulsion fluids where it is added to the disperse, aqueous phase to balance chemical activity with the formation and limit osmotic effects.

ADVANTAGES

Can be used in invert emulsion fluids where it is added to the disperse, aqueous phase to balance chemical activity with the formation and limit osmotic effects Widely used throughout the oilfield

TECHNICAL DATA

| | |
|------------|--------------|
| Appearance | White powder |
| Purity | 94%/97% |
| pH | 8.0-10.0 |

RECOMMENDED TREATMENT

Calcium Chloride is soluble up to a density of 11.6 pounds per gallon in water. See chart on following page.

SHIPPING

Transportation of commodity name is not restricted by international regulatory agencies.

SAFE HANDLING RECOMMENDATIONS

Utilize normal precautions for employee protection when handling chemical products. Use of standard PPE is recommended for employee comfort and safety. See Material Safety Data Sheet (MSDS) prior to use.

PACKAGE AND STORAGE

25kg bags, jumbo bags or according to customer's requirement. Avoid high-intensity extreme pressure and prolonged exposure to strong sunlight. Keep container closed. Keep away from heat, sparks and flames.



MICA

LOST CIRCULATION MATERIAL

PRODUCT DESCRIPTION

MICA is a plugging material that can be used in water and oil based systems. It is available in three sizes: fine, medium and coarse.

APPLICATION/FUNCTION

MICA is used as lost circulation material in water and oil based systems.

TECHNICAL DATA

| | |
|---------------|----------------------|
| Appearance | Silver to grey flake |
| Moisture | 15.0% Max |
| Particle size | 6 to 20 mesh |

SHIPPING

Transportation of commodity name is not restricted by international regulatory agencies.

SAFE HANDLING RECOMMENDATIONS

Utilize normal precautions for employee protection when handling chemical products. Use of standard PPE is recommended for employee comfort and safety. See Material Safety Data Sheet (MSDS) prior to use.

PACKAGE AND STORAGE

25kg drums or according to customer's requirement. Avoid high-intensity extreme pressure and prolonged exposure to strong sunlight. Keep container closed. Keep away from heat, sparks and flames.

NACL

It increases s NACL

It increases shale inhibition by decreasing water activity. It reduces the freezing point of water-based drilling fluids and the potential of forming gas hydrates.

NACL is a widely used commercial chemical for formulating a clear solids-free work over and completion fluids.

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NACL is a widely used commercial chemical for formulating a clear solids-free work over and completion fluids.



CALCIUM CARBONATE (CaCO₃)

LOST CIRCULATION MATERIAL

PRODUCT DESCRIPTION

Calcium Carbonate (CaCO₃) is a high-purity ground limestone, used to increase the density of drilling and workover fluids, to reduce fluid loss and as a lost circulation material.

APPLICATION/FUNCTION

Used as a weighting agent, a bridging agent to reduce filtration loss (for F, M or C)
Used as a lost-circulation material in both water-based and nonaqueous drilling fluids (for F, M or C)
Current uses include wellbore strengthening

ADVANTAGES

Environmentally benign
Compatible with formate systems, as well as general water and nonaqueous fluids
Resists attrition
Effective LCM material

TECHNICAL DATA

| | |
|---------------|-------------------------------|
| Appearance | White powder or fine granules |
| Density | 2.7-2.9 g/cm ³ |
| Particle size | 30-350 mesh |

RECOMMENDED TREATMENT

As a weighting agent as per the calculated mass balance equation
As a bridging material 14.3-143 kg/m³
As a LCM pill 4.3-286 kg/m³
Environmental Information

SHIPPING

Transportation of commodity name is not restricted by international regulatory agencies.

SAFE HANDLING RECOMMENDATIONS

Utilize normal precautions for employee protection when handling chemical products.
Use of standard PPE is recommended for employee comfort and safety. See Material Safety Data Sheet (MSDS) prior to use.

PACKAGE AND STORAGE

25kg bags, jumbo bags or according to customer's requirement. Avoid high-intensity extreme pressure and prolonged exposure to strong sunlight. Keep container closed. Keep away from heat, sparks and flames.



GUAR GUM

FAST HYDRATION GUAR GUM POWDER

PRODUCT DESCRIPTION

Fast hydration guar gum is used to increase the Oil and gas production. Using Guar Gum increase the oil recovery substantially.

Fast hydrating guar gum used as a surfactant, synthetic polymer and defoamer which ideal for all rheological requirements of water-based and brine-based drilling fluids.

APPLICATION/FUNCTION

Guar Gum is used in oil well drilling muds , which give a better colloid thereby reducing water losses. It regulates the viscosity of mud solution, stabilizes and regulates the flow properties of the drilling muds.

Guar gum helps to reduce friction in the holes, and so minimizing power requirements. Guar Gum products act to minimize water loss should occur in broken geological formations.

Fast hydration guar gum powder is also knows as diesel slurry guar gum, quick hydration guar gum powder, rapid hydration guar gum powder, fast hydrating guar gum powder, quick hydrating guar gum powder, rapid hydrating guar gum powder.

It is used in oil drilling industries, gas drilling industries and other well drilling industries.

Normal guar gum gives viscosity after 2hors but fast hydration guar gum powder gives viscosity in 3 minutes.

ADVANTAGES

- It controls fluid loss.
- It adjusts rheological properties.
- It provides viscosity of drilling fluids.
- It is widely available and is an economical source polymer viscosifier.

TECHNICAL DATA

Viscosity at 2% KCL Solution, with 0.48% Solution of Guar Gum Powder at FAN 35 Viscometer after minutes on 300 RPM at 25 C (stirring at 1500 RPM for two & half minutes in warring blender)

| VISCOSITY 40PPT | GRADE - 1 | GRADE - 2 | GRADE - 3 |
|--------------------|--------------|--------------|--------------|
| 3 minutes | 28 to 32 cps | 33 to 37 cps | 38 to 42 cps |
| 10 minutes | 32 to 36 cps | 37 to 41 cps | 42 to 46 cps |
| 60 minutes | 35 to 32 cps | 40 to 44 cps | 44 to 48 cps |

SHIPPING

Transportation of commodity name is not restricted by international regulatory agencies.

SAFE HANDLING RECOMMENDATIONS

Utilize normal precautions for employee protection when handling chemical products. Use of standard PPE is recommended for employee comfort and safety. See Material Safety Data Sheet (MSDS) prior to use.

PACKAGE AND STORAGE

HDPE Poly woven paper bag with inside liner / Multi walled paper bags / Jumbo bags / Big bags

Packing will be done as per customer requirement like 25kg, 50lbs or 600 to 1000kg and 2000lbs



CAUSTIC SODA

PH CONTROL AGENT

PRODUCT DESCRIPTION

Caustic Soda (NaOH) is sodium hydroxide, which has a molar mass of 40.0 g/mol. It is a strong alkali and must be handled with extreme care. Its rapid dissolution in water results in liberation of large amounts of heat.

APPLICATION/FUNCTION

Primarily used to Control alkalinity and pH in aqueous fluids (limits the solubility of calcium and magnesium) by precipitating the metal hydroxides, Ca (OH)₂ and Mg(OH)₂

Aids the solubilization of products such as lignosulfonates and lignites and activates Bentonite dispersion.

ADVANTAGES

Economical source of hydroxyl ions to control pH
Concentrated chemical and very effective at small treatment levels
Increases pH which reduces corrosion of steel exposed to drilling fluids
Can be used in most drilling fluids

TECHNICAL DATA

| | |
|---|-------------|
| Appearance | White flake |
| Purity | 99.0% Min |
| Na ₂ CO ₃ content | 1.0% Max |

RECOMMENDED TREATMENT

Add Caustic Soda in the range of 0.25-0.5 lbs/bbl (0.71-1.43 kg/m³) to water based systems.

For safety reasons, caustic soda must never be mixed through the mud hopper; it must be added via a chemical barrel or to a low-volume premix in a slug pit by direct addition through the grating. The premix is then transferred slowly to the active system over the course of one or several circulations.

SHIPPING

Transportation of commodity name is not restricted by international regulatory agencies.

SAFE HANDLING RECOMMENDATIONS

Utilize normal precautions for employee protection when handling chemical products. Use of standard PPE is recommended for employee comfort and safety. See Material Safety Data Sheet (MSDS) prior to use.

PACKAGE AND STORAGE

25kg bags or according to customer's requirement.

Store in a closed and sealed containers, in a cool dry area, protected from precipitation and contact with moisture.

Caustic Soda is corrosive. Spills should be cleaned up immediately.



Contract Manufacturing

Mineral Mixtures / Minerals Blendings
(As per clients requirements)

All Types of Chemicals & Additives related

Animal Cattle, Aqua & Poultry Feed Supplements

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- 91-8591710260
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