

129 START BETTER PX**NP23415025**

Version 1.0

Revision Date 07/24/2014

Print Date 07/24/2014

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : 129 START BETTER PX

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Premix for Animal Feeds

1.3 Details of the supplier of the safety data sheet

Company : DSM Nutritional Products
 45 Waterview Blvd
 US-07054-1298 Parsippany

Telephone : (908) 475-7373
 Telefax : (908) 475-7406
 E-mail address : sds.nutritionalproducts@dsm.com
 Responsible/issuing person

1.4 Emergency telephone number

Emergency # 1-800-424-9300 (24 HR CHEMTREC)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form: powder, Odour: No information available.

Hazard Summary : May cause cancer.
 OSHA Hazards : COMBUSTIBLE DUST
 CARCINOGEN

Potential Health Effects

Symptoms of Overexposure : No specific symptoms known.

Carcinogenicity:

IARC Group 2B: Possibly carcinogenic to humans
 tert-butyl-4-methoxyphenol 25013-16-5

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.

NTP Reasonably anticipated to be a human carcinogen
 tert-butyl-4-methoxyphenol 25013-16-5

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.

Additional hazards and advice

Risk of dust explosion.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Brief description of the product : Mixture

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Hazardous components

Component	CAS-No.	Weight percent
tert-butyl-4-methoxyphenol	25013-16-5	0.1 - 1

SECTION 4. FIRST AID MEASURES**First aid procedures**

- General advice : No hazards which require special first aid measures.
- Inhalation : Move to fresh air.
If symptoms persist, call a physician.
- Skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
- Eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
- Ingestion : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

Notes to physician

- Symptoms : No specific symptoms known.
- Treatment : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES**Flammable properties**

- Flash point : Not applicable

Fire fighting

- Suitable extinguishing media : Water
Foam
- Further information : Consider dust explosion hazard.

Protective equipment and precautions for firefighters

- Specific hazards during firefighting : None known.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment.
Avoid dust formation.

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Methods for containment / : Sweep up and shovel.
 Methods for cleaning up

SECTION 7. HANDLING AND STORAGE**Handling**

Handling : For personal protection see section 8.

Advice on protection against : Avoid dust formation.
 fire and explosion : Provide appropriate exhaust ventilation at places where dust
 is formed.
 Take precautionary measures against static discharges.

Storage

Requirements for storage : Store at room temperature.
 areas and containers : Keep container tightly closed and dry.

Advice on common storage : No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Contains no substances with occupational exposure limit values.

Engineering measures

For technical measures see section 7.

Personal protective equipment

Eye protection : Safety glasses

Hand protection : Glove material: for example nitrile rubber
 for example nitrile rubber

Skin and body protection : Lightweight protective clothing

Respiratory protection : No personal respiratory protective equipment normally
 required.
 In case of high dust concentration use a dust mask applicable
 to local conditions.

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form : powder

Odour : No information available.

Odour Threshold : No information available.

Safety data

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Flash point	: Not applicable
Thermal decomposition	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Auto-ignition temperature	: No data available
pH	: No data available
Melting point/range	: not determined
Boiling point/boiling range	: not determined
Vapour pressure	: Not applicable
Density	: not determined
Water solubility	: not determined
Partition coefficient: n-octanol/water	: Not applicable
Relative vapour density	: Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No hazards to be specially mentioned.
Chemical stability	: Stable under recommended storage conditions.
Hazardous reactions	: Dust may form explosive mixture in air.
Conditions to avoid	: Heat.
Materials to avoid	: Strong acids and strong bases Strong oxidizing agents
Hazardous decomposition products	: No decomposition if used as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: No data available
Skin irritation	: Prolonged skin contact may cause skin irritation.
Eye irritation	: Dust contact with the eyes can lead to mechanical irritation.
Sensitisation	: No data available
Carcinogenicity	: This information is not available.

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Genotoxicity in vitro : No data available

Reproductive toxicity : This information is not available.

STOT - repeated exposure
Chronic exposure : This information is not available.

SECTION 12. ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish
tert-butyl-4-methoxyphenol : Oncorhynchus mykiss (rainbow trout)
LC50 (48 h) 1 mg/l

No data is available on the product itself.

Persistence and degradability

Biodegradability : No data available

Bioaccumulative potential

Bioaccumulation : No data available
Partition coefficient: n-
octanol/water : Not applicable

Mobility in soil

Distribution among
environmental compartments : No data available

Other adverse effects

Additional ecological
information : There is no data available for this product.

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : Offer surplus and non-recyclable solutions to a licensed disposal company.

User must determine if any wastes generated exhibit hazardous characteristics as per 40 CFR Part 261 or other national / local legislation.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

DOT
Not dangerous goods

TDG
Not dangerous goods

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IATA

Not dangerous goods

IMDG

Not dangerous goods

Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

OSHA Hazards : Combustible dust, Carcinogen

CERCLA Reportable
Quantity :SARA 311/312 Hazards : orthophosphoric acid 7664-38-2 5000 lbs
Chronic Health Hazard**EPCRA - EMERGENCY PLANNING COMMUNITY RIGHT - TO - KNOW**SARA 302 Reportable
Quantity : No chemicals in this material are subject to the reporting
requirements of SARA Title III, Section 302.

This material does not contain any components with a SARA 302 RQ.

SARA 304 Extremely
Hazardous Substances : This material does not contain any components with a section
304 EHS RQ.SARA 313 Components : This material does not contain any chemical components with
known CAS numbers that exceed the threshold (De Minimis)
reporting levels established by SARA Title III, Section 313.**Clean Air Act**Ozone-Depletion Potential : This product neither contains, nor was manufactured with a
Class I or Class II ODS as defined by the U.S. Clean Air Act
Section 602 (40 CFR 82, Subpt. A, App.A + B).This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for
Accidental Release Prevention (40 CFR 68.130, Subpart F).This product **does** not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean
Air Act Section 12 (40 CFR 61).This product **does** not contain any VOC exemptions listed under the U.S. Clean Air Act Section
450.The following chemical(s) are listed : glycerol 0.0017 %
under the U.S. Clean Air Act
Section 111 SOCM I Intermediate or
Final VOC's (40 CFR 60.489):

hexa-2,4-dienoic acid 0.0002 %

Clean Water ActThis product does not contain any Hazardous Substances listed under the U.S. CleanWater Act,
Section 311, Table 116.4A.This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act,
Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

Components : tert-butyl-4-methoxyphenol 25013-16-5

Pennsylvania Right To Know

Components : Dicalcium Phosphate 21%, Bags
rice hulls
orthophosphoric acid 7664-38-2

New Jersey Right To Know

Components : Dicalcium Phosphate 21%, Bags
rice hulls
tert-butyl-4-methoxyphenol 25013-16-5

The components of this product are reported in the following inventories:

TSCA

Not On TSCA Inventory
Dicalcium Phosphate 21%, Bags
rice hulls
Seleno Source AF 2000 (0.2%
Se), Bags
silicon dioxide, amorphous 112926-00-8
menadione nicotinamidebisulfite 73581-79-0
Protein hydrolyzates, vegetable 100209-45-8

DSL

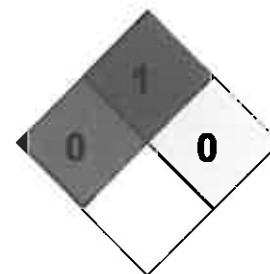
This product contains the following components that are not on the Canadian DSL nor NDSL.
Dicalcium Phosphate 21%, Bags
rice hulls
Seleno Source AF 2000 (0.2%
Se), Bags
menadione nicotinamidebisulfite 73581-79-0

SECTION 16. OTHER INFORMATION

Further information

HMIS Classification : Health hazard: 0
Chronic Health Hazard: *
Flammability: 1

NFPA Classification : Health hazard: 0
Fire Hazard: 1
Reactivity Hazard: 0



The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

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E-mail address : sds.nutritionalproducts@dsm.com
Responsible/issuing person

Abbreviations: ACGIH = American Conference of Governmental Industrial Hygienists. CERCLA = Comprehensive Environmental Response, Compensation and Liability Act. CFR = Code of Federal Regulations. CPR = Controlled Products Regulations. DSL = Canadian Domestic Substance List. DOT = Department of Transportation. EINECS = European Inventory of New and Existing Chemical Substances. EPA = Environmental Protection Agency. HCS = Hazardous Communication Standard. HEPA = High Efficiency Particulate Air. HMIS = Hazardous Material Identification System. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IMDG = International Maritime Dangerous Good. NFPA = National Fire Protection Association. NIOSH = National Institute of Occupational Safety and Health. NJTSR = New Jersey Trade Secret Registry. NTP = National Toxicology Program. OSHA = Occupational Safety and Health Administration. SARA = Superfund Amendments and Reauthorization Act. TDG = Transportation of Dangerous Goods. TLV = Threshold Limit Value. TSCA = Toxic Substance Control Act. WHMIS = Workplace Hazardous Materials Information System.