

Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:
ABNT NBR 14725-4:2014

Last Revision Date 09-Mar-2022

Version: 1

1. Identification

Product identifier

Product Name Peters Professional 20-10-20

Other means of identification

Product ID PETERS-E99300/SC11

UN number or ID number 1477

Recommended use of the chemical and restrictions on use

Recommended Use Fertilizer.

Uses Advised Against Not applicable.

Details of the supplier of the safety data sheet

Manufacturer

ICL Brasil LtdaAv. Carlos Marcondes, 1200 – Quadra 9 e 14São José dos Campos – SP – CEP: 12241-900BrasilTel.: +55 (11) 2155-4500.

Emergency telephone number

Brazil: 0800 892 0479 (24h).

2. Hazard(s) identification

GHS Classification Most Important Hazards

Serious eye damage/eye irritation	Category 2A
Oxidizing solids	Category 3

Label Elements:



Signal Word:

Warning

Hazard Statements:

H319 - Causes serious eye irritation

H272 - May intensify fire; oxidizer

Precautionary statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P221 - Take any precaution to avoid mixing with combustibles

P370 + P378 - In case of fire: Use dry sodium carbonate to extinguish

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear eye protection/ face protection

P337 + P313 - If eye irritation persists: Get medical advice/attention

Other Information

no data available.

3. Composition/information on ingredients

Pure substance/mixture Mixture.

Substance

Not applicable.

Mixture

Common Name: Peters Professional 20-10-20

Chemical nature Fertilizer.

Chemical name	CAS No	Weight-%
Ammonium nitrate; NH ₄ NO ₃	6484-52-2	40 - 65%

4. First-aid measures

Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin contact Wash skin with soap and water.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

Suitable Extinguishing Media

Small Fire

Large Fire

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media

Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical	no data available.
Explosive properties	
Sensitivity to static discharge	None.
Sensitivity to mechanical impact	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
Hazardous Combustion Products	Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging materials Sacks/Bags.

Incompatible materials None known based on information supplied.

8. Exposure controls/personal protection

Appropriate engineering controls

Engineering controls Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Skin and body protection	Wear suitable protective clothing.
Hand protection	Wear suitable gloves.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.
Environmental exposure controls	Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains.

9. Physical and chemical properties

Physical state	Solid	
Appearance:	Powder(s)	
Color:	blue	
Odor:	Fertilizer	
Property	Values	Remarks • Method
pH	5.0 - 6.0	No data available
Melting Point/Freezing Point:	No data available	Not applicable
Boiling Point/Range:	No data available	None known
Flash Point:	No data available	None known
Evaporation Rate:		
Not applicable		
		Flammability Limits in Air:
		Upper Flammability Limit: No data available
		Lower Flammability Limit: No data available
		Vapor Pressure: no data available
		Vapour density: No data available
		Relative density: No data available
		Water Solubility: no data available
		Solubility(ies): no data available
		Partition Coefficient: No data available
		Autoignition Temperature: No data available
		Decomposition Temperature: No data available
		Kinematic Viscosity:
		Dynamic Viscosity: No data available
@ .? °F		
None known		
No data available		
None known		
No data available		
None known		
No data available		
None known		
None known		
None known		
Other information		
Oxidizing properties	no data available	
Softening Point:	no data available	
Explosive properties	Not applicable	
Molecular Weight:	no data available	
VOC Content (%)	No data available	
Density:	no data available	
Bulk Density:	no data available	

10. Stability and reactivity

Reactivity	Not reactive.
Sensitivity to static discharge	None.
Sensitivity to mechanical impact	None.
Chemical stability	
Stability	Stable under normal conditions.

Possibility of hazardous reactions
Hazardous Decomposition Products: None under normal processing.
 Contact with acids liberates very toxic gas. Toxic metal oxides may be produced.

Conditions to avoid
Incompatible materials
Hazardous Decomposition Products None known based on information supplied.
 None known based on information supplied.
 None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

LD50/oral: no data available
LD50/dermal: no data available
LC50/inhalation: no data available

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Ammonium nitrate; NH ₄ NO ₃	= 2217 mg/kg (Rat)	> 5000 mg/kg	> 88.8 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization no data available.

Germ cell mutagenicity no data available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ammonium nitrate; NH ₄ NO ₃	-	Group 2A	-	X

6484-52-2				
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Legend

IARC (International Agency for Research on Cancer)
 Group 2A - Probably Carcinogenic to Humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 X - Present

Reproductive toxicity no data available.
Developmental toxicity No information available.
STOT - single exposure no data available.
STOT - repeated exposure no data available.
Target organ effects No information available.
Neurological effects no data available.
Aspiration hazard no data available.

12. Ecological information

Ecotoxicity

Persistence and Degradability: no data available.
Mobility no data available.
Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Ammonium nitrate; NH ₄ NO ₃	-3.1

13. Disposal considerations

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging Do not reuse empty containers.

14. Transport information

IMDG

Proper shipping name: Nitrates, inorganic, n.o.s.
Transport hazard class(es) 5.1
UN number or ID number 1477
Packing group: III
Special Provisions 511
Marine pollutant Not applicable.

ICAO (air)

UN-No: 1477
Proper shipping name: Nitrates, inorganic, n.o.s.

Transport hazard class(es) 5.1
Packing group: III

IATA
UN number or ID number 1477
Proper shipping name: Nitrates, Inorganic N.O.S.
Transport hazard class(es) 5.1
Packing group III

TDG
Proper shipping name: Nitrates, Inorganic N.O.S.
Transport hazard class(es) 5.1
UN-No: 1477
Packing group: III

MEX
Proper shipping name Nitrates, Inorganic N.O.S.
Transport hazard class(es) 5.1
UN/ID no 1477
Packing Group III

Transporte/outras informações: Terrestres: Classificação de acordo com: Resolução nº 5232 de 14 de Dezembro de 2016 da Agência Nacional de Transportes Terrestres (ANTT), Aprova as Instruções Complementares ao Regulamento do Transporte

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Brazil

See section 8 for national exposure control parameters

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applied

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

International Inventories:

DSL/NDSL Contact supplier for inventory compliance status.
EINECS/ELINCS Contact supplier for inventory compliance status.
ENCS Contact supplier for inventory compliance status.
PICCS Contact supplier for inventory compliance status.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

16. Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H272 - May intensify fire; oxidizer
H319 - Causes serious eye irritation

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)
Ceiling Maximum limit value
* Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Prepared by Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM).

Last Revision Date 09-Mar-2022

Reason for revision *** Indicates changes since the last revision. This version replaces all previous versions.

Restrictions on use Restricted to professional users.

This safety data sheet was created pursuant to the requirements of: ABNT NBR 14725-4:2014, ABNT NBR 14725-2:2009.

Disclaimer

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End of Safety Data Sheet

Data for Regulatory Rules

Region	Template name
Reason for revision	Korea

KGHS	2.0
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C Safety Control of Dangerous Substances Act

no data available

Physical state Solid

Chemical name	Class(es)	Chemical Name in Regulation	Threshold limits
Ammonium nitrate; NH ₄ NO ₃ 6484-52-2	Class 1 - oxidizing solids	Nitrates	300

A
B
C
D
E
F
G
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N
O
P
Q
R
S

Region	Template name
Reason for revision	Brazil
BGHS	2.0

TSCA	This product complies with USINV
DSL/NDSL	DSL/NDSL
EINECS/ELINCS	EINECS/ELINCS
ENCS	This product complies with encs:
CHINA	This product does not comply with china:
KOREA	KOREA
PICCS	PICCS
Australian Inventory of Chemical Substances	This product does not comply with AICS

GHS Product Information

Pure substance/mixture	Mixture
pH - VALUE 1	5.0 - 6.0
Transport hazard class(es)	5.1
Physical state	Solid

Globally Harmonized System (GHS)	Europe	Japan
China	STOT SE 1 target organ(s) No information available	No information available

no data available	no data available	STOT SE 2 target organ(s)	No information available
No information available	no data available	no data available	
STOT Information Available	No information available	no data available	
3 target organ(s)			
no data available	STOT RE 1 target organ(s)	No information available	No information available
no data available	no data available	STOT RE 2 target organ(s)	No information available
No information available	no data available	no data available	

Brazil

Signal Word: Warning
GHS Classification
Physical Hazards
GHS Physical Hazard Category Number
GHS Physical Hazard Category 1 H-value
Serious eye damage/eye irritation
Hazard Statements:
Signal Word:
Serious eye damage/eye irritation
Graphic



Unknown Acute Toxicity: 0% of the mixture consists of ingredient(s) of unknown toxicity
Pure substance/mixture Mixture

Hazard Statements: Causes serious eye irritation
Statements of physical hazards May intensify fire; oxidizer
Signal Word: Warning
Hazard Statements: H319 - Causes serious eye irritation
Precautionary statements P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P221 - Take any precaution to avoid mixing with combustibles P370 + P378 - In case of fire: Use dry sodium carbonate to extinguish P264 - Wash face, hands and any exposed skin thoroughly after handling P280 - Wear eye protection/ face protection P337 + P313 - If eye irritation persists: Get medical advice/attention
Precautionary statements Wear protective gloves IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
Precautionary Statements - Prevention Keep away from heat Keep/Store away from clothing/ combustible materials Take any precaution to avoid mixing with combustibles
Eyes Wash face, hands and any exposed skin thoroughly after handling Keep/Store away from clothing/ combustible materials 8311 Wear protective gloves/protective clothing/eye protection/face protection
Fire Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Precautionary Statements - Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention
Disposal In case of fire: Use water spray to extinguish
Symbols/Pictograms Dispose of contents/container to an approved waste disposal plant



Symbols/Pictograms



Precautionary statements

P264 - Wash face, hands and any exposed skin thoroughly after handling P280 - Wear protective gloves/protective clothing/eye protection/face protection P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337 + P313 - If eye irritation persists: Get medical advice/attention P210 - Keep away from heat P220 - Keep/Store away from clothing/ combustible materials P221 - Take any precaution to avoid mixing with combustibles P370 + P378 - In case of fire: Use .? to extinguish P501 - Dispose of contents/container to industrial incineration plant

Full text of H-Statements referred to under section 3

H272 - May intensify fire; oxidizer
 H319 - Causes serious eye irritation

Health hazards	Exclamation mark
Product ATE Oral Status	1
Product ATE Dermal Status	1
Product ATE Inhalation - Gas Status	1
Product ATE Inhalation - Vapor Status	1
Product ATE Inhalation - Dust/Mist Status	1
Product Skin Corrosion Status	1
Product Eye Damage Status	1
Product Respiratory Sens. Status	1
Product Skin Sensitization Status	1
Product Mutagenic Status	1
Product Carcinogenic Status	1
Product Reproductive Toxicity Status	1
Product STOT Single Status	1
Product STOT Repeated Status	1
Product Aquatic Toxicity Status	1
Product Aspiration Toxicity Status	1
Product Ozone Status	1