

FICHA DE DATOS DE SEGURIDAD



Formulario: AR-5.LABQ.Pr.117_F-01

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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product name: **DPB250**

Product Identifier: DPB250

Relevant identified uses: Petroleum dispersant.

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SECTION 2 – HAZARDS IDENTIFICATION

Classification according to Globally Harmonized System.

Hazard pictogram(s):



Flammable liquids (Category 4)
Acute toxicity, oral (Category 4)
Skin irritation (Category 2) – Eye irritation (Category 2A)
Short-term (acute) aquatic hazard (Category 3)

Signal word: **WARNING**

Hazard statements:

H227 - Combustible liquid.
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H402 - Harmful to aquatic life.

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P332 + P313 - IF SKIN IRRITATION OCCURS: Get medical advice or attention.
P362 + P364 - Take off contaminated clothing and wash it before reuse.
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 or attention.
P280 - Wear protective gloves.
P273 - Avoid release to the environment.
P501 - Dispose of contents and/or container in accordance with national and international regulations.
P302 + P352 - IF ON SKIN: Wash with plenty of water.

Additional information

There are no other additional hazards of consideration in the classification.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS N°	% WEIGHT	CLASSIFICATION
2-Butoxyethanol	111-76-2	25 - 30	Flam. Liquid 4; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A
Sorbitan monooleate, ethoxylated	9005-65-6	25 - 30	Aquatic Acute 3
Sorbitan oleate	1338-43-8	1 - 3	Not classified
Water	7732-18-5	1 - 3	Not classified

SECTION 5 – FIRST AID MEASURES

GENERAL ADVICE:	Avoid exposure to the product, taking appropriate protective measures. Get medical advice.
EYE CONTACT:	Immediately flush with water for at least 15 minutes, holding eyelids apart to ensure that all eye and lid tissues rinsed. Washing eyes within several seconds is essential to achieve maximum effectiveness. If you have contact lenses, remove them after the first 5 minutes, then continue rinsing eye. Get medical advice.
SKIN CONTACT:	Wash immediately after contact with soap and water for at least 15 minutes. Remove contaminated clothing and wash before reuse.
INHALATION:	For those providing assistance, avoid exposure. Use proper protection if necessary. Move victim and get fresh air. Keep calm. If not breathing, give artificial respiration. Get medical advice.
INGESTION:	DO NOT INDUCE VOMITING. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical advice. If vomiting occurs spontaneously, place victim on side to reduce the risk of aspiration.
SYMPTOMS:	Inhalation: May cause nausea, dizziness, and headache. Skin Contact: May cause irritation. Eye Contact: May cause irritation. Ingestion: May cause nausea, vomiting, and stomach upset.
MEDICAL ADVICE:	Provide symptomatic treatment. For more information, contact a Poison Control Center.

SECTION 5 – FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:	Use dry chemical, foam, sand or CO ₂ . Use the product according to surrounding materials. DO NOT USE water jets.
FLASH POINT:	>60°C (>140°F)
FLAMMABLE LIMITS:	N/D
SPECIAL HAZARDS:	COMBUSTIBLE. The liquid may burn but will not ignite easily. In case of fire it may release irritating and/or toxic fumes and gases, such as carbon monoxide and other substances derived from incomplete combustion.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	Use self-contained breathing apparatus. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. For large spills wear protective clothing against chemicals, which is specifically recommended by the manufacturer. It may provide little or no thermal protection.
ADVICE FOR FIREFIGHTERS:	Spray the packaging with water to avoid ignition or to keep them cool if exposed to excessive heat or fire. Remove the packages if they have not yet been reached by the flames, and you can do so without risk. Cool containers with water until the fire has extinguished. Prevent water used for fire control or dilution from entering watercourses, drains or springs.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Eliminate all ignition sources (no smoking, do not use flares, sparks or flames in immediate area). Evacuate personnel to a ventilated area. Ventilate immediately, especially where product may accumulate. Do not allow reuse of spilled product.
ENVIRONMENTAL PRECAUTIONS:	Contain spilled liquid with a dam or barrier. Prevent entry into navigable waterways, sewers, basements or uncontrolled confined areas.
CONTAINMENT AND CLEANING UP:	Contain and recover the liquid when possible. Collect the liquid product with sand, vermiculite, earth or inert absorbent material and then completely clean the affected area. Dispose of the waste properly.

SECTION 7 – HANDLING AND STORAGE

Do not eat, drink or smoke during handling. Avoid contact with eyes, skin and clothing. Wash arms, hands, and nails after handling. Facilitate access to safety showers and eyewash emergency.

Use equipment and clothing that prevents the accumulation of electrostatic charges. Monitor and avoid explosive atmosphere formation.

This material can accumulate static electric charges that can cause an electrical spark (source of ignition). Place the container to earth during filling and maintain contact with it. Do not use electronic equipment in the vicinity of filling areas, unless they are properly certified as safe.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in a clean, dry, well-ventilated area. Protect from sunlight.

The type of container used to store the material can affect the accumulation and dissipation of electrostatic charges.

The stored containers must be grounded and bonded together. The fixed containers, the transfer containers and their associated equipment must be grounded and bonded to prevent the accumulation of electrostatic charge.

Other information: The vapors present in the container may be at the explosion / flammability limit and, therefore, be flammable.

Keep away from Oxidizing mineral acids and strong oxidizing agents.

Material appropriate packaging: Supplied by the manufacturer.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:	5 ppm; Butyl glycol TLV-TWA (ACGIH): 20 ppm; Butyl glycol TLV-STEL (ACGIH): N/D
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PEL (OSHA): 50 ppm; Butyl glycol
IDLH (NIOSH): 700 ppm; Butyl glycol

EXPOSURE CONTROLS:	Keep workplace ventilated. The normal routine ventilation is usually adequate. Use local hoods for operations that produce or release large amounts of product. In low or confined areas provide mechanical ventilation. Provide showers and eyewash stations near workplace.
PERSONAL PROTECTION EQUIPMENT, INHALATION:	When necessary, wear an organic gas or steam (A) respirator. Pay special attention to oxygen levels in the air. If large releases occur, wear self-contained breathing apparatus (SCBA).
SKIN PROTECTION:	When necessary, wear impermeable protective PVC, nitrile or butyl gloves (complying with standards EN 374), clothes and safety footwear resistant to chemicals.
EYE AND FACE PROTECTION:	When necessary, wear chemical splash-proof safety glasses (complying with EN 166).

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid.
COLOR:	N/D
ODOUR:	N/D
ODOUR THRESHOLD:	N/D
pH:	6,5 ± 1,0
POUR POINT:	< -20°C (-4°F)
BOILING POINT:	N/D
FLASH POINT:	>60°C (>140°F)
EVAPORATION RATE:	N/D
AUTO-IGNITION TEMPERATURE:	N/D
EXPLOSIVE LIMITS:	N/D
VAPOUR PRESSURE (20°C):	N/D
VAPOUR DENSITY (AIR=1):	N/D
RELATIVE DENSITY (20°C):	1,01 ± 0,03 g/cm ³
SOLUBILITY (20°C):	Soluble in water.
HENRY CONSTANT (20°C):	N/D
PARTITION COEFF. (logKo/w):	N/D
VISCOSITY (100°C):	<100 cSt
EXPLOSIVE PROPERTIES:	Not explosive. According to column 2 of Annex VII of REACH, this study is not required because in the molecule no chemical groups are associated with explosive properties.
OXIDIZING PROPERTIES:	According to column 2 of Annex XVII of REACH, this study is not necessary because the substances present in the product, due to their chemical

structures, are incapable of reacting exothermically with combustible materials.

OTHER PROPERTIES: Refractive index (20°C): 1,405 ± 0,01

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: It is not expected that product reactions or decomposition may occur under normal storage conditions. It does not contain organic peroxides. It is not corrosive to metals. It does not react with water.

CHEMICAL STABILITY: The product is chemically stable and it does not require stabilizers.

HAZARDOUS REACTIONS: No hazardous polymerization is expected.

CONDITIONS TO AVOID: Avoid high temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: When heated, it may release toxic and irritating vapors. In case of fire, see section 5.

INCOMPATIBLE MATERIALS: Oxidizing mineral acids and strong oxidizing agents.

SECTION 11 – TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Inhalation, skin and eye contact, and ingestion.

ACUTE EFFECTS: Inhalation: May cause nausea, dizziness, and headache.
Skin Contact: May cause irritation.
Eye Contact: May cause irritation.
Ingestion: May cause nausea, vomiting, and stomach upset.

CARCINOGENICITY, MUTAGENICITY AND REPRODUCTION TOXICITY:

Carcinogenicity: No information is available on any component of this product, present at levels greater than or equal to 0.1%, that is classified as probable, possible or confirmed human carcinogen by IARC (International Agency for Research on Cancer).

Mutagenicity: There are no components of this product, present at a concentration greater than or equal to 0.1%, that classify as mutagens according to the GHS.

Tox. Repr .: There are no components of this product, present at a concentration greater than or equal to 0.1%, that classify as hazardous for reproduction according to the GHS.

Teratogenicity: There are no components of this product, present at a concentration greater than or equal to 0.1%, that classify as a teratogen.

STOT-SE: There are no components of this product, present at a concentration greater than or equal to 1%, that they classify as toxic to target organs according to the GHS.

STOT-RE: There are no components of this product, present at a concentration greater than or equal to 1%, that they classify as toxic to target organs according to the GHS.

Aspiration: There are no components of this product, present at a concentration greater than or equal to 10%, that classify as toxic by aspiration according to the GHS.

ANIMAL TOXICITY VALUES:

There is no information about the toxicity of the product, but acute toxicity estimations are presented.

ETA-DL50 oral (calc.): 300 - 2000 mg/kg

ETA-DL50 der (calc.): > 2000 mg/kg

ETA-CL50 inh. (4 hs., calc.): > 5 mg/l

Skin irr. (rabbit, estim.): irritant

Eye irr. (rabbit, estim.): irritant

Sensibilidad cutánea (cobayo, estim.): no sensibilizante

Sensibilidad respiratoria (cobayo, estim.): no sensibilizante

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY:	<p>There is no information about the ecotoxicity of the product, but acute toxicity estimations are presented.</p> <p>ETA-CE50 (fish, calc., 96 h): > 100 mg/l ETA-CE50 (inv., calc., 48 h): > 100 mg/l ETA-CE50 (algae, calc., 72 h): 10 - 100 mg/l ETA-CSEO (fish, calc., 14 d): > 1 mg/l ETA-CSEO (inv., calc., 14 d): > 1 mg/l</p>
PERSISTENCE AND DEGRADABILITY:	<p>BIODEGRADABILITY (estimated): According to calculations based on the composition, the product is expected to be biodegradable.</p> <p>PNEC (water): N/D PNEC (sea water): N/D PNEC-STP: N/D</p>
BIOACCUMULATIVE POTENTIAL:	<p>Log Ko/w (OCDE 107 o 117): N/D BIOCONCENTRATION FACTOR - BCF (OCDE 305): N/D. There are no data that indicate that the product has bioaccumulation problems in living organisms or of incidence in the food chain.</p>
MOBILITY IN SOIL:	<p>HENRY CONSTANT (20°C): N/D LogKoc: N/D</p>
OTHER ADVERSE EFFECTS:	Does not contain organic halogens nor metals.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of excess product and empty containers according to current legislation for the protection of the environment and hazardous waste. Disposal procedure: incineration.

SECTION 14 – TRANSPORT INFORMATION**TRANSPORT BY LAND**

Proper Shipping Name:	NOT CLASSIFIED AS A DANGEROUS GOODS
UN/ID Number:	NOT CLASSIFIED AS A DANGEROUS GOODS
Hazard class:	NOT CLASSIFIED AS A DANGEROUS GOODS
Packing group:	NOT CLASSIFIED AS A DANGEROUS GOODS
Hazard identification number:	NOT CLASSIFIED AS A DANGEROUS GOODS
Excepted and limited quantity:	NOT CLASSIFIED AS A DANGEROUS GOODS
Special provisions:	NOT CLASSIFIED AS A DANGEROUS GOODS

AIR TRANSPORT (ICAO/IATA)

Proper Shipping Name:	NOT CLASSIFIED AS A DANGEROUS GOODS
UN/ID Number:	NOT CLASSIFIED AS A DANGEROUS GOODS
Hazard class:	NOT CLASSIFIED AS A DANGEROUS GOODS
Packing group:	NOT CLASSIFIED AS A DANGEROUS GOODS
PAX and Cargo Packing instructions:	NOT CLASSIFIED AS A DANGEROUS GOODS
Cargo Packing instructions:	NOT CLASSIFIED AS A DANGEROUS GOODS
ERC:	NOT CLASSIFIED AS A DANGEROUS GOODS
Special provisions:	-

SEA TRANSPORT (IMO)

Proper Shipping Name:	NOT CLASSIFIED AS A DANGEROUS GOODS
UN/ID N°:	NOT CLASSIFIED AS A DANGEROUS GOODS
Hazard class:	NOT CLASSIFIED AS A DANGEROUS GOODS
Packing group:	NOT CLASSIFIED AS A DANGEROUS GOODS
EMS:	NOT CLASSIFIED AS A DANGEROUS GOODS
Stowage and manipulation:	NOT CLASSIFIED AS A DANGEROUS GOODS
Segregation:	NOT CLASSIFIED AS A DANGEROUS GOODS
Marine pollutant:	NO
Proper Shipping Name: NOT CLASSIFIED AS A DANGEROUS GOODS	

SECTION 15 – REGULATORY INFORMATION

Regulations and safety legislation specific for the substance or mixture:

Not dangerous for the ozone layer.

Volatile organic compounds (VOC's): N/D

Globally Harmonized System of Classification and Labelling of Chemicals, fifth revised edition, 2013 (GHS 2013 - 'ST / SG / AC 10/30 / Rev.5'). The fifth edition is taken into consideration because it is the one valid for Argentina according to Resolution 801/2015 of the SRT. In any case, the information is contrasted with Revision 7 ('ST / SG / AC 10/30 / Rev.7') and clarification is made if required.

Agreement on Transport of Dangerous Products within the MERCOSUR, MERCOSUR\CMC\DEC N° 2/94.

European Agreement on the International Carriage of Dangerous Goods by Road (ADR 2019) and amendments.

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID 2019) and amendments.

International Maritime Dangerous Goods Code (IMDG 2018 - Amendment 39-18), International Maritime Organization (IMO).

IBC Code 2016, IMO, IMO Resolution MSC.369 (93).

Regulations of the International Air Transport Association (IATA 60 ed., 2019) on the transport of dangerous goods by air.

SECTION 16 – OTHER INFORMATION

ACGIH: American Conference of Governmental Industrial Hygienists.

ATE: Acute toxicity estimate.

CAS: Chemical Abstracts Service.

CMP: maximum concentration allowed.

CMP-C: maximum concentration allowed, ceiling concentration.

CMP-CPT: maximum concentration allowed, short time period.

EC: effect concentration.

EC50: Average Effective Concentration.

EMS: Emergency management sheet.

ERC: Emergency response card.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organization.

IDLH: Immediately dangerous to life or health

IMDG: International Maritime Dangerous Goods.

IMO: International Maritime Organization.

LC: Lethal concentration.

LD: Lethal dose.

Log Ko/w: octanol-water partition coefficient.

Log Koc: organic carbon to water partition coefficient.

MTESS: Ministry of Labor, Employment and Social Security, Argentina.

N/A: not applicable.

N/D: no data available.

NFPA: National Fire Protection Association.

NIOSH: National Institute for Occupational Safety and Health

NOEC: No observed effect concentration.

OECD: Organisation for Economic Co-operation and Development.

OSHA: Occupational Safety and Health Administration.
 PAX: Passengers.
 PBT: persistent, bioaccumulative or toxic criteria.
 PEL: Permissible Exposure Limit.
 PMCC: Pensky Martens closed cup
 PNEC: Predicted No Effect Concentration
 PNEC-STP: Predicted No Effect Concentration – sewage treatment plant.

PPE: Personal protection equipment.
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals - Europa.
 REL: Recommended Exposure Limit.
 SRT: Superintendencia of Labor Risks, Argentina.
 STEL: Short Term Exposure.
 TLV: Threshold Limit Value.
 UN: United Nations.
 vPvB: very persistent or very bioaccumulative.

Key literature references and sources for data

International Agency for Research on Cancer (IARC), carcinogen classification.
 European Regulation 1272/2008, Classification, labelling and packing (CLP)
 European Agreement on the International Carriage of Dangerous Goods by Road (ADR 2019) and amendments.
 Regulations concerning the International Carriage of Dangerous Goods by Rail (RID 2019) and amendments.
 International Maritime Dangerous Goods Code (IMDG 2018 - Amendment 39-18), International Maritime Organization (IMO).
 IBC Code 2016, IMO, IMO Resolution MSC.369 (93).
 Regulations of the International Air Transport Association (IATA 60 ed., 2019) on the transport of dangerous goods by air.

The classification has been made based on chemical analogues and product information.

SECTION 2: classification by analogy with other products, and based on product data in CIQUIME.

SECTION 9: product data.

SECTIONS 11 and 12: calculation of acute toxicity estimation according to the GHS.

Track Changes: v.2 - Change phrases and formatting.

V.1 - Adaptation to the SGA.

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
TARGET ORGANS	0



Obligatory safety goggles.



Obligatory gloves.



Obligatory overall.

The information in this document refers to the product, and not to another product or process that involves it. This document provides health and safety information. The information is correct and complete according to our knowledge. It is provided in good faith, but without guarantee. Use the product according to the recommendations for use. If you use this product you should be informed of the recommended safety precautions and should have access to this information. For any other use, evaluate exposure and implement appropriate handling measures and training programs to ensure safe operations in the workplace.

It remains your responsibility that this information is appropriate and complete for the use of the product.

Version: 3
Replaces: 2
Created: CIQUIME

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