



Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Dyna-Plex 21C Dezol SAE 50

Motor Oil

Lubricating Oils

Product Code:

PetroChoice

1009 Schieffelin Road

Apex, NC 27502

Website: www.petrochoice.com

1-800-444-6457 Supplier General Contact Number

1-800-633-8253 US, Canada, Puerto Rico, Virgin Island - Emergency telephone (PERS)

+1-801-629-0667 International / Maritime Emergency telephone (PERS)

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

Information concerning particular hazards for human and environment:

The product does not have to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

Label Elements

Labeling according to Regulation (EC) No 1272/2008: N/A

Hazard Pictograms: N/A

Signal Word: N/A

Hazard Statement: N/A

Hazard Description

WHMIS Symbols: Not hazardous under WHMIS

HMIS Long Term Health Hazard Substances: None of the ingredients are listed.

Other Hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous Components	CAS, EINECS, Index Numbers	Concentration %
Distillates (petroleum), solvent-refined heavy paraffinic Carc. Cat. 2	CAS: 64741-88-4 EINECS: 265-090-8 Index Number: 649-454-00-7	83
Residual oils (petroleum), solvent-refined Carc. Cat. 2	CAS: 64742-01-4 EINECS: 265-101-6 Index Number: 649-459-00-4	10

Additional Information

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This product meets these requirements. For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

General information: No special measures required

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5. FIREFIGHTING MEASURES

Suitable extinguishing agents

Water haze or fog, foam, fire-extinguisher powder, carbon dioxide

Unsuitable extinguishing media

Water with full jet

Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon monoxide (CO), under certain fire conditions, traces of other toxic gases cannot be excluded.

Advice for fire-fighters

Protective Equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

Environmental precautions

Do not allow to enter sewers/ surface or ground water. Prevent from spreading (e.g. by damming-in or oil barriers).

Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Do not flush with water or aqueous cleansing agents

Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid the formation of oil haze.

Information about fire and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents.

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

Specific end use(s): No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.

Respiratory protection

Not necessary if room is well-ventilated. Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:



Protective, oil resistant gloves

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection:



Safety glasses – goggles recommended during refilling

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Amber

Form: Oily

Odor: Characteristic

Odor threshold: Not determined

pH value: Not determined

Change in condition

Melting point/melting range: Undetermined

Boiling point/boiling range: Undetermined

Flash point: 250°C, (482°F)

Flammability (solid, gaseous): Not applicable

Ignition temperature

Decomposition temperature: Not determined

Self-igniting: Product is not self-igniting

Danger of explosion: Product does not present an explosion hazard.

Explosion limits

Lower: Not determined

Upper: Not determined

Vapor pressure: Not determined

Density at 20°C: 0.89 g/cm³

Relative density: Not determined

Vapor density: Not determined

Evaporation density: Not determined

Solubility in/Miscibility with water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water) at 20°C: > 2.0 log POW (estimate)

Viscosity:

Viscosity index: 100

Kinematic at 40°C: 200 cSt (18.5 cSt @ 100°C)

Other information: No further relevant information available

10. STABILITY AND REACTIVITY

Reactivity

Chemical stability

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: Reacts with strong oxidizing agents.

Conditions to avoid: Store away from oxidizing agents.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide possible in traces.
Nitrogen oxides and Sulphur oxides (SO₂)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification

Oral LD50 > 2000 mg/kg (rat)

Dermal LD50 > 2000 mg/kg (rabbit)

Primary irritant effect

On the skin: Slight irritant effect on skin and mucous membranes.

On the eye: Slight irritant effect on eyes.

Sensitization: Sensitizing effect by skin contact is possible by prolonged exposure.

Additional toxicological information

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: The material is harmful to the environment.

Persistence and degradability: Not easily biodegradable

Bioaccumulative potential: May be accumulated in organism

Mobility in soil: No further relevant information available.

Additional ecological information

General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water. Danger to drinking water if even extremely small quantities leak into the ground. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Other adverse effects: No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be reused after reprocessing. Delivery of waste oil to officially authorized collectors only.

Uncleaned packaging

Recommendation

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

UN Number

DOT, ADN, IMDG, IATA N/A

UN Proper shipping name

DOT, ADR, ADN, IMDG, IATA N/A

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA, Class N/A

Packing group

DOT, ADR, IMDG, IATA N/A

Environmental hazards:

Marine pollutant No

Special precautions for user Not applicable

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

Not applicable

UN Model Regulation

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15. REGULATORY INFORMATION

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

United States (USA)

SARA

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed

Proposition 65 (California)

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic Categories

EPA (Environmental Protection Agency): None of the ingredients is listed.

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): None of the ingredients is listed.

MAK (German Maximum Workplace Concentration): None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%): None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients is listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

The information and recommendations contained within this document are believed by PetroChoice to be accurate and reliable as of the date prepared. The information and recommendations are offered for the user's consideration and analysis and in no way guarantee the chemical specifications for the specified product. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense arising out of the product's improper use. The user should consider the information in this document in the context of how the selected product will be handled and used in conjunction with other products. It is the user's responsibility to determine that the product is suitable for the intended use.

Appropriate warnings and safe-handling procedures should be provided to all handlers and users. PetroChoice assumes no responsibility for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices within this document.

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