



P231 - SECURITY CARD
GASOLINE TREATMENT

1 – SUBSTANCE / PRODUCT IDENTIFICATION

Product Trade Name	P231
Product Type	Complex substance for the maintenance of Gasoline engines
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CAS Number	Not applicable for the mixtures
Preparation/Revision date	January 14, 2008
Emergency Phone Number EU	(+590) 0590 218 888
MSDS Number	E781.1

2 – HAZARDS IDENTIFICATION

► Hazard description (Symbols)



► Information concerning particular hazards for human and environment

Frases R

R36/38 Irritant for eyes and skin

R43 May cause sensitization by skin contact

R51/53 Toxic to aquatic organisms, may cause long-term harmful effects in the aquatic environment

R65 Hurtful: May cause lung damage in case of intake

The classification is according to the latest editions of the EU-lists

3 – COMPOSITION / INFORMATION ON THE COMPONENTS

▶ Hazardous Ingredients

Components	Percentage (by wt.)	Symbol(s)	Risk Phrase(s)	EU Number
Petroleum naphta	25 - 60 %	N Xn	R 51/53 - 65 - 66 - 67	265-198-5
Hydrocarbyl amine	3 - 8 %	None	R52	Polymer
Hydrocarbon solvent	2.5 - 6%	N Xn	R10 R51/53 R65	265-008-7
2-Ethylhexanol	2.5 - 10 %	Xi	R 36 / 38	203-234-3
Hydroxyethylated aminoethylamide	0,8 - 1,2 %	C	R34-43 -52/53	Polymer

4 – FIRST AID MEASURES

▶ General information

Immediately remove any clothing soiled by the product

Symptoms may even occur after several hours, medical observation is recommended at least 48 hours after the accident.

▶ After Inhalation

Supply fresh air and for more security call for a doctor

In case of unconsciousness place patient stably on the side position for transportation.

▶ After skin contact

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water

▶ After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

▶ If the product has been swallowed

Call for a doctor immediately.

Drink plenty of water and provide fresh air.

▶ Information for doctor

Treatment in case of intake or in case of vomiting, danger of entering the lungs.

— 5 – FIRE-FIGHTING MEASURES —

▶ Suitable extinguishing agents:

CO₂, foam, powder

▶ For safety reason unsuitable extinguishing agents:

Water with full jet

▶ Special hazards caused by the substance, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

▶ Protective equipment:

Mouth respiratory protective device in a stuffy atmosphere

Wear self-contained protective device

Wear fully protective suit

— 6 – ACCIDENTAL RELEASE MEASURES —

▶ Person-related safety precautions:

Wear protective equipment. Keep away unprotected persons.

▶ Measures for environmental protection:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system..

Do not allow to enter sewers/surface or ground water.

▶ Measures for the cleaning:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Remove from the water surface (e.g. skim or suck off).

▶ Additional information:

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

HANDLING:

▶ **Information for safe handling :**

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

▶ **Information about fire and explosion protection:**

No special required.

STORAGE:

▶ **Requirement to be met by storerooms and receptacles:**

Stores in a cool location.

▶ **Information about storage in a common storage place:**

any special feature

▶ **Further information about storage conditions:**

Keep container tightly sealed.

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

▶ **Additional information about design of technical facilities:**

No further data, see item 7.

▶ **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 about design of technical facilities:**

The lists valid during the making were used as basis.

PERSONAL PROTECTIVE EQUIPMENT

▶ **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing.
Avoid contact with eyes and skin.

▶ **Respiratory protection:**

In case of brief exposure or low pollution, use respiratory filter device.
In case of intensive or longer exposure use self-contained respiratory protective device.

▶ **Protection of hands:**

Protective gloves

▶ Material of gloves

The selection of the suitable gloves does not depend only on the material but also on further marks of quality and variety used by the manufacturer.

As the product is contained of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

PVC Gloves

▶ Penetration of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

▶ Eye Protection:

Tightly sealed goggles

▶ Body protection:

Protective work clothing

9 – PHYSICAL AND CHEMICAL PROPERTIES

General Information

Form	Fluid
Color:	Clear
Odor:	Characteristic

Change in condition

Melting point/Melting range	Undetermined
Boiling point/Boiling range	Undetermined
Flash point:	>65°C
Ignition temperature:	210°C
Self-igniting:	Undetermined
Danger of explosion:	Product does not present explosion hazard
Explosion limits:	
Lower:	Undetermined
Upper:	Undetermined
Vapor pressure at 20°C:	Undetermined
Density:	0,9 at 20°C
Solubility in/Miscibility with water:	Not miscible or difficult to mix.

10 – STABILITY AND REACTIVITY

▶ Thermal decomposition / Conditions to be avoided:

To avoid decomposition, do not overheat.

▶ Dangerous reactions:

Reacts with strong oxidizing agents

▶ Dangerous decomposition products

No hazardous product of decomposition known

— 11 – TOXICOLOGICAL INFORMATION —

▶ Acute toxicity:

LD/LC50 values relevant for classification:

64742-47-8 Distillates (petroleum), hydro treated light

Oral / LD50 / >2000 mg/kg (rat)

Dermal / LD50 / >2000 mg/kg (rat)

Harmful : may cause lung damage if it has been swallowed

▶ EPrimary irritant effect:

On the skin: irritating to skin

On the eye: irritating to eyes

Sensitization: Sensitization possible through skin contact

Inhalation : May cause respiratory tract irritation .

— 12 – ECOLOGICAL INFORMATION —

Information about elimination (persistence and degradability):

Other information: The product is difficultly biodegradable.

Ecotoxicological effects:

Remark: Toxic for fish.

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): Hazardous for water Do not allow product to reach ground water, water course or sea sewage system. Must not reach sewage water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

— 13 – DISPOSAL CONSIDERATION —

Product:

Must not be disposed together with household garbage.

Do not allow product to reach sewage system.

Unclean packaging:

Disposal must be made according to official regulations.

Land transport ADR/RID (Cross-border):

ADR/RID Class:	9
Danger code (Kemler):	90
UN Number:	3082
Packaging group:	III
Hazard label:	9
Description of good:	Environmentally hazardous substance, liquid, nos (petroleum naphtha)

Air transport ICAO-TI and IATA-DGR:

ICAO-IATA Class:	9
UN / ID Number:	3082
Label	9
Packaging group:	III
Proper shipping name:	Environmentally hazardous substance, liquid, nos (petroleum naphtha)

Maritime transport

IMDG :	
MDG Class:	9
UN Number:	3082
Label	9
Packaging group:	III
EMS Number:	F-A, S-F
Marine pollutant:	No
Proper shipping name:	Environmentally hazardous substance, liquid, nos (petroleum naphtha)

15 – REGULATORY INFORMATION

▶ Labeling according to EU Guidelines:

The product has been classified and marked Hazardous Materials.

▶ Code letter and hazard designation of product:



Risk phrases:

R36/38	Irritant for eyes and skin
R43	May cause sensitization by skin contact
R51/53	Toxic to aquatic organisms, may cause long-term harmful effects in the aquatic environment
R65	Harmful: May cause lung damage in case of intake

Safety phrases:

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S29	Do not empty into drains
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

Classe de danger pour l'eau:

II

— 16 – OTHER INFORMATION —

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The information is based on the present state of our knowledge. It is believed to be correct but is not necessarily all-inclusive and shall be used only as a guide. CARIBBEAN PETROLEUM INDUSTRY shall not be held liable for any damage resulting from handling or from contact with the above product. For further information, please contact CARIBBEAN PETROLEUM INDUSTRY.