

PETRON XCS

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: PETRON XCS

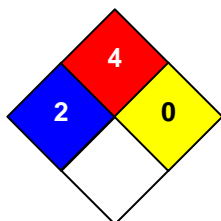
Manufacturer: PETRON CORPORATION
JESUS ST., PANDACAN, MANILA

Chemical Family: Petroleum Hydrocarbons

Product Type: Premium Grade Gasoline with Complete Combustion System

Emergency Phone No.: (632) 563-31-21

NFPA Hazard Identification



Hazard	Degree of Hazard
Blue - Health	0 - Least
Red - Flammability	1 - Slight
Yellow - Reactivity	2 - Moderate
White - Special	3 - High
	4 - Extreme

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients

The product primarily consists of petroleum hydrocarbons combined with non-lead additives. The product is highly flammable and may contain carcinogenic components. However, as long as normal precautions in handling petroleum products are observed and good standards of industrial and personal hygiene are maintained, no significant safety and health hazard is expected.

SECTION 3: HAZARDS IDENTIFICATION

Primary Entry Routes: Inhalation of vapors, eye contact, skin contact/absorption

Target Organs: Respiratory system, central nervous system, eyes, skin

Eye Contact: May cause mild irritation with stinging and redness of the eyes.

Skin Contact: Low order of toxicity under normal use. However, avoid prolonged or repeated contact with the product to prevent defatting and dermatitis.

Ingestion: Ingestion is an unlikely event. However, accidental ingestion can lead to vomiting and aspiration into the lungs. This can result in chemical pneumonitis, which can be fatal.

Inhalation: Gasoline vapor acts as a central nervous system depressant. Exposure to low concentrations may produce flushing of the face, staggering gait, slurred speech and mental confusion. In high concentrations, gasoline



vapor may cause unconsciousness, coma and possibly death resulting from respiratory failure and harmful effects to the kidneys, pancreas and liver. Gasolines contain aromatic hydrocarbons which may result in leukemia and other hematopoietic changes.

Workplace Exposure Limits

There is no known established limit for the product. However, available information sets the OSHA PEL (Occupational Safety and Health Administration (US) permissible exposure limit) for natural gasoline at 300 ppm. OSHA PEL for benzene (carcinogenic) is 10 ppm.

SECTION 4: FIRST AID MEASURES

Eye Contact	Rinse eyes immediately with plenty of water for at least 15 minutes or until irritation subsides. If irritation persists, get prompt medical attention.
Skin Contact	Immediately clean contaminated skin with soap and water. Remove contaminated clothing, including shoes, and launder before reuse.
Ingestion	If swallowed, DO NOT induce vomiting due to risk of aspiration into the lungs. Keep at rest and seek medical attention immediately. Use gastric lavage (stomach wash) followed by saline catharsis.
Inhalation	If overexposed to oil mist, remove affected person immediately to fresh air. Administer artificial respiration if breathing is irregular or has stopped. Call for prompt medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point, TCC, °C	< -56
Extinguishing Media	In case of fire use foam, carbon dioxide or dry chemical extinguishers.
Special Fire-fighting Procedures	Do not spray water directly on fire; product will float and could reignite on the surface of the water. Highly flammable vapors which are heavier than air may accumulate in low areas and/or spread along the ground away from handling site. Flashback along vapor trail may occur.
Decomposition Products Under Fire Conditions	Oxides of carbon, nitrogen and other gases are products of combustion.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill	Evacuate area of all unnecessary personnel. Wear protective equipment if exposure conditions warrant. Taking normal safety precautions, shut off source of product. Prevent the liquid from entering sewers, water courses or low lying areas. Advise the relevant authorities, taking measures to minimize the effects on ground water. Recover from surface by absorbing in a dry, inert material (sand, clay, etc.) and transfer to disposal drums using non-sparking equipment. If necessary, dispose material according to regulations of local authorities and environmental agencies.
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Water Spill Use booms to confine spills immediately. Remove from the water surface by skimming using non-sparking equipment or with suitable absorbents. If permitted by local authorities and environmental agencies, disperse the residue in unconfined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 7: HANDLING AND STORAGE

Handling Procedures Keep away from potential sources of ignition. Open container in a well-ventilated area. Bond and ground during transfer. Avoid breathing vapors. Keep containers closed when not in use. Prevent small spills and leakages to avoid slip hazard. Wash thoroughly after handling. "Empty" containers and retain product residue (liquid or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause death or injury. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Storage Procedures Store in tightly closed containers in cool, well ventilated areas away from sources of ignition.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Ventilation Procedures Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below exposure limits.

Gloves Protection Use chemical resistant gloves.

Eye Protection In case of splashing, wear safety glasses with side shields.

Respiratory Protection Use NIOSH/MSHA approved full face respirator with a combination organic vapor and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Clothing Recommendation Wear either a chemical protective suit or apron when potential for contact with material exists. Use neoprene or nitrile rubber boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Density at 15°C, kg/m3 739.8 (Typical)

Water Solubility Insoluble

Odor Characteristic of petroleum products

Appearance Clear liquid



Color, Visual	Red
Boiling Point, °C	36 - 205 (Typical)
Percent Volatile	98% at boiling range
Reid Vapor Pressure, kPa at 37.8°C	52
psi at 37.8°C	7.5
Vapor Density (air=1)	> 5

SECTION 10: STABILITY AND REACTIVITY

Stability	Material is normally stable at ambient temperature. May decompose on exposure to heat; highly flammable.
Incompatibility	Strong oxidizing agents
Polymerization	Will not occur.
Hazardous Decomposition Products	In case of combustion or thermal decomposition, carbon monoxide and other toxic and irritant fumes may be formed.

SECTION 11: ECOLOGICAL INFORMATION

Ecotoxicity	There is no specific information for this product. However like other petroleum products, it may be harmful to aquatic organisms and may cause long term adverse effects to the aquatic environment. Volatile components may be lost to the air through evaporation. Large volumes of non-volatile components may penetrate the soil and contaminate groundwater. In aerobic water and sediments, these will biodegrade. However, they are non-biodegradable in anaerobic conditions with high potential to bioaccumulate.
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SECTION 12: DISPOSAL CONSIDERATIONS

Waste Disposal	Material, if discarded, is expected to be hazardous waste. The product may be burned under controlled conditions and should be in compliance with local and national waste management regulations.
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SECTION 13: TRANSPORT REGULATIONS

UN	
UN Number	1203
Packing Group	II
Hazard Class	3
Road/Rail (ADR/RID)	
ADR UN Number	1203
ADR Item Number	3(c)
Tremcard	TEC(R) - 530



ADR Hazard Class 3
ADR/RID Number 33

Sea (IMDG)

IMDG UN Number 1203
IMDG Page Number 3141
IMDG Em8 3-07
IMDG Hazard Class 3.1
IMDG Pack Group II
IMDG MFAG 311

Air (ICAO/ IATA)

ICAO UN Number 1203
ICAO Packing Group II
ICAO Hazard Class 3

SECTION 14: REGULATORY INFORMATION

Regulatory Information The storage and use of this product is subject to the Highly Flammable Liquids and Liquefied Petroleum Regulations 1972. Marine pollutant.

SECTION 15: APPROVALS

Approvals Technical Department
Petron Corporation

This is a computer-generated form and does not require a signature.

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