	MATERIAL SAFETY DATA SHEET	Product Name	POWERPLUS CONCENTRATED ANTIFREEZE / COOLANT – G12
		Preparation Date	20.06.2016
		Revision Date	08.07.2019
		MSDS No	
		Page Setup	4

ANTIFREEZE / COOLANT

1. Product Description and Company Detail

Manufacturer : Skor Petrokimya Urunleri Sanayi Ve Ticaret A S

Address: Aydınlı KOSB Mah. Kristal Cad. No :18 Tuzla / İstanbul

Mail: www.powerplus.com.tr info@skoroil.com

Tel: 0 (216) 504-0508

Product Type : Antifreeze / Coolant

Emergency Phone Numbers

First Aid/Fire Department:112

Ministry of Health National Poison Advisory Center:114

2. Product Content Information

Chemical Properties: Ethyleneglycol and additives.

Ingredients in its composition :

	CAS	EC-No.	Cons. (%)	Classification
Ethyleneglycol	107-21-1	203-473-3	90 – 99	Acute Satiated. 4- H302
Potassium Hydroxide	1310-58-3	215-181-3	0.5 – 1	Acute Satiated. 4- H302 Skin Ashnd. 1A,H314 Eye Irritation 1, H318

3. Hazard definitions

4. First Aid

Inhalation : When inhaled, it is necessary to go out to fresh air. (If there is not enough air flow in the room at high temperatures, it causes dangerous vapor formation.)

Eye / Skin Contact : Eyes should be washed with plenty of water for 15 minutes. If the irritation does not go away, a doctor should be consulted. Antifreeze-soaked clothing should be removed and the skin should be washed with plenty of soap and water.**If swallowed:** The patient should not be tried to vomit. A doctor should be consulted.

Inhalation : When situations such as dizziness and nausea are encountered, it is necessary to go out to fresh air. If the complaints continue, medical help should be sought.

Risks Recommended to Doctors: Treatment should be symptomatic and aimed at mitigating the effects. It can cause pneumonia due to the chemical inhaled into the lungs.

5. Fire Fighting:

Fire Fighting Tools Foam, fire extinguishing tube, CO2.

6. Precautions Against Accidental Spread

Personal Precautions : Contact with skin and eyes should be avoided. Fallout protection glasses, work clothes, boots, gloves and boots should be used.

Environmental Precautions : When a small amount of antifreeze is poured, add an absorbent substance to it. Remove the substance absorbed by antifreeze with a tool such as a shovel and place it in a liquid-proof container for disposal. When large quantities of antifreeze are poured, an embankment should be formed with sand, soil or a suitable substance to prevent antifreeze from getting into sewage, canals and rivers.

7. Use and Storage

Use: When taking antifreeze from the barrel, protective footwear should be worn and appropriate means of transport should be used.

Storage : It should be stored in a cool, dry and well-ventilated area; it should be stored in a tightly closed container. It should not be exposed to the direct influence of the sun's rays and heat sources.

Improper Storage : It should not be left for a long time at high temperature. PVC should not be used on the inner surfaces of the container.

8. Exposure Limit / Personal Protection

Personal Protection Equipment :

Hand protection: Chemical-resistant gloves (nitrile) should be used. Gloves wear out over time due to physical or chemical destruction. Gloves need to be checked and changed regularly.

Eye protection: Protective glasses with side shields should be used.

Skin and Body Protection: Protective clothing should be used.

9. Physical and Chemical Properties

Physical condition:	liquid
Colour:	blue
Smell:	Unspecified.

Ph: 8-10

Freezing Point: < -42ºC

Flash Point: >160 ºC

Ignition Temperature: >120 ºC

Density: 1.1-1.2 g/cm3

10. Stability and Reactivity

Harmful Degradation Products: Not Specified

Heat Degradation Products : Not specified

Harmful Reactions : Not Specified

11. Toxicological Information

Acute toxicity – oral: LD50 > 2,000 mg/kg. If accidentally ingested in small amounts, it is unlikely to cause harm. But if swallowed in large quantities, it causes nausea and diarrhea.

Acute Toxicity – In Case of Inhalation: Exposure to vapor fogs and fumes formed by high concentrations of antifreeze can be harmful to the respiratory tract and eyes when realized.

Acute Toxicity – In Contact with Skin: Can be harmful with prolonged and frequent exposure.

Skin Irritation: Brief or occasional contact is not expected to cause skin irritation.

Eye Irritation: If it comes into contact with the eye by accident, it is not expected to cause more than temporary stinging or redness.

Skin Sensitivity: It is not likely to affect skin sensitivity.

12. Ecological Knowledge

Additional Ecological Information: Rashes can cause physical harm to organisms by forming films on water surfaces.

Environmental Hazards: Not expected to be harmful to aquatic organisms.

Mobility :D can penetrate the soil, causing contamination of ground water.

Persistence / Degradability: It is biodegradable by itself.

Bioaccumulation Potential: Bioaccumulation of this product is not expected in the environment through food chains.

13. Disposal

Disposal of waste: The used product must be given to a collector known according to the legislation in force. Waste should never be dumped into the environment and waterways.

Disposal of storage containers: They must be recovered or disposed of, preferably by an approved collector, in accordance with applicable law.

14. Shipping Information

ADR/RID/IATA/ICAO, UN is not a dangerous product during transport according to IMO classifications.

15. Regulatory Information

EC Symbols -

EC Risk Phrase : Unclassified

EC Safety Phrase : Unclassified

EINECS : All components are available in the list, do not contain polymers.

TSCA (USA): All components are available in the list.

Complies with Other Hazardous Chemicals Regulation Legislation.

R Unit:

R 22 It is harmful to health if swallowed.

R63 In the womb the possibility of risk of harm to the child.

S Unit:

S 36/37 When working, use appropriate protective clothing, protective gloves.

16. Other Information

The issues contained in the Product Safety Data Sheet have been published in line with the information currently available to us and it is aimed to identify the products in terms of health, safety and environmental conditions. The accuracy or completeness of the data in this information form is not directly or indirectly stated or guaranteed in any way. Therefore, it should not be considered as information that guarantees any specific feature of the products. Data and recommendations apply when sold for the application or applications specified in this product. This product must not be used for any purpose other than the application or applications specified without consulting us.