



Material Safety Data Sheet

Product Name:
E10 Gasoline
Revision Date:
31-Aug-2010
Revision Number:
1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: 5020
Product Name: E10 Gasoline
Chemical characterization: Liquid
Supplier: American Refining Group, Inc.
77 North Kendall Avenue
Bradford, PA 16701
www.amref.com
Emergency Telephone Number: CHEMTREC: 1-800-424-9300
ARG Watchblock: 814-368-1297

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %	TSCA	DSL
Ethyl alcohol	64-17-5	10	Present	Present
Naphtha, petroleum, catalytic reformed	68955-35-1	90	Present	Present

3. HAZARDS IDENTIFICATION

Emergency Overview

- Extremely flammable
- Harmful if swallowed.
- Keep away from children
- Toxic to aquatic organisms
- This product may be irritating to skin, eyes, nose, throat, and lungs. Use all necessary personal protection when handling this material.

Eye contact Skin contact

- Contact with eyes may cause irritation
- Can cause severe irritation
- Possible irritation and rash from defatting solvent action.

3. HAZARDS IDENTIFICATION

Inhalation	<ul style="list-style-type: none"> • Avoid breathing vapors or mists • Inhalation may cause mild irritation of respiratory tract. • Inhalation of high concentrations may cause central nervous system depression, dizziness, headache, or nausea, as well as kidney damage and pulmonary edema.
Ingestion	<ul style="list-style-type: none"> • May be toxic if swallowed • Ingestion may cause nausea, vomiting, and diarrhea.
General advice	<ul style="list-style-type: none"> • As with any chemical, use caution when handling

4. FIRST AID MEASURES

General Advice	<ul style="list-style-type: none"> • Immediate medical attention is not required • If exposure symptoms persist, seek medical attention. • Show this safety data sheet to the doctor in attendance
Skin Contact	<ul style="list-style-type: none"> • Wash off immediately with soap and plenty of water
Eye Contact	<ul style="list-style-type: none"> • Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes • If eye irritation persists, seek medical attention
Inhalation	<ul style="list-style-type: none"> • Move to fresh air. • If exposure symptoms persist, seek medical attention.
Ingestion	<ul style="list-style-type: none"> • Do not swallow. Rinse mouth with water and afterwards drink plenty of water. • Never give anything by mouth to an unconscious person • Consult a physician if necessary
Notes to Physician	<ul style="list-style-type: none"> • Treat symptomatically
Protection of First-aiders	<ul style="list-style-type: none"> • Use necessary personal protective equipment
Aggravated Medical Conditions	<ul style="list-style-type: none"> • Users with skin conditions (eczema, psoriasis, etc.) respiratory conditions (asthma, bronchitis, emphysema, etc.) or with chemical sensitivities should take protective precautions.

5. FIRE-FIGHTING MEASURES

Flash Point	<ul style="list-style-type: none"> • -23°C / -10°F
Suitable Extinguishing Media	<ul style="list-style-type: none"> • carbon dioxide (CO₂) • water fog • alcohol-resistant foam • dry chemical
Extinguishing media which must not be used for safety reasons	<ul style="list-style-type: none"> • Water, except as fog
Special exposure hazards in a fire	<ul style="list-style-type: none"> • Keep product and empty container away from heat and sources of ignition
Special Protective Equipment	<ul style="list-style-type: none"> • As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
Specific Methods Firefighting	<ul style="list-style-type: none"> • In the event of fire, cool tanks with water spray • Use spark-proof tools and explosion-proof equipment
NFPA	<ul style="list-style-type: none"> • Health=1, Fire=3, Reactivity=0, Special=0

6. ACCIDENTAL RELEASE MEASURES

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Personal Precautions	<ul style="list-style-type: none"> • Evacuate personnel to safe areas • Keep people away from and upwind of spill/leak • Wear personal protective equipment • Remove all sources of ignition • Ensure adequate ventilation • Floors may be slippery
Environmental Precautions	<ul style="list-style-type: none"> • Prevent further leakage or spillage if safe to do so • Prevent product from entering drains
Methods for Cleaning Up	<ul style="list-style-type: none"> • Dam up • Soak up with inert absorbent material • Pick up and transfer to properly labelled container for disposal. • Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

7. HANDLING AND STORAGE

Handling

Technical Measures Handling	<ul style="list-style-type: none"> • Use only in areas provided with adequate ventilation. • Keep away from open flames, hot surfaces and sources of ignition
Safe Handling Advice	<ul style="list-style-type: none"> • Wear personal protective equipment • Do not breathe vapours or spray mist. Ensure that ventilation is adequate before using this product.

Storage

Technical Measures Storage	<ul style="list-style-type: none"> • Keep containers tightly closed; discard any material that may be contaminated or, which may have changed composition. • Keep away from heat • Protect from light • Keep in properly labelled containers.
Incompatible Products	<ul style="list-style-type: none"> • No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures	<ul style="list-style-type: none"> • Ensure adequate ventilation, especially in confined areas • As a rule, at least 10 air changes per hour are recommended at the workplace
Personal Protective Equipment	
Hand Protection	<ul style="list-style-type: none"> • Impervious gloves
Eye Protection	<ul style="list-style-type: none"> • Wear tightly fitting safety goggles or safety glasses with side-shields
Respiratory Protection	<ul style="list-style-type: none"> • When workers are facing concentrations above the exposure limit they must use appropriate certified respirators
Skin And Body Protection	<ul style="list-style-type: none"> • Long sleeved clothing
General Hygiene Considerations	<ul style="list-style-type: none"> • Handle in accordance with good industrial hygiene and safety practice • Keep away from food, drink and animal feeding stuffs • When using, do not eat, drink or smoke
Environmental exposure controls	<ul style="list-style-type: none"> • No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State	Liquid
Color	Off-white
Odor	Hydrocarbon solvent

Important Health Safety and Environmental Information

Boiling Point/Range	No information available
Pour Point	NA°C / NA°F
Vapor Pressure	>400 mm Hg @ 20°C
Density	6.0 lbs/gallon
Water Solubility	slightly soluble
Specific Gravity	0.72

10. STABILITY AND REACTIVITY

Stability	<ul style="list-style-type: none"> Stable under normal conditions
Conditions to Avoid	<ul style="list-style-type: none"> Heat, flames and sparks
Materials to avoid	<ul style="list-style-type: none"> None
Hazardous Decomposition Products	<ul style="list-style-type: none"> None under normal use
Hazardous Polymerization	<ul style="list-style-type: none"> When burned :carbon dioxide, carbon monoxide, hydrocarbons Polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD50 Dermal Rat	>2000 mg/kg
LD50 Oral Rat	>5000 mg/kg
LC50 Inhalation	>5000 mg/L
Skin irritation	May cause skin irritation.
Eye irritation	May cause eye irritation.
Inhalation Toxicity	Move to fresh air in case of accidental inhalation Prolonged exposure can cause organic brain dysfunction known as Psycho-organic syndrome of solvents.
Ingestion Toxicity	Harmful if swallowed Maybe toxic if swallowed Nausea, Vomiting, Diarrhea (detersive effects)
Sensitization	May cause sensitization of susceptible persons

Chronic Toxicity

Carcinogenic effects	This product contains benzene which is a known carcinogen. Classified as a Group 2B (possible carcinogenic to humans) by International Agency for Research on Cancer (IARC).. Whole gasoline exhaust has been classified as a Group 2B by IARC..
Mutagenic Effects	Does not exhibit mutagenic effects, based on testing of similar materials.
Reproductive Effects	Does not exhibit reproductive toxicity, based on testing of similar materials.
Target Organ Effects	No information available

12. ECOLOGICAL INFORMATION

Product Information

Aquatic toxicity • No information available

Other information

Ozone Depletion Potential • No information available

Global warming potential (GWP) • No information available

Additional Ecological Information • This product is expected to be readily biodegradable in water.

Mobility • No information available

Bioaccumulative Potential • Bioaccumulation potential is expected to be very low or non-existent.

Ecotoxicity effects • No information available

13. DISPOSAL CONSIDERATIONS

Waste From Residues/Unused Products • Dispose of in accordance with local regulations

Contaminated Packaging • Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT

Description UN 1203, GASOLINE, 3 (FLAMMABLE), PG II, ERG 128

15. REGULATORY INFORMATION

U.S. Inventories

Component	TSCA	CAS-No	Weight %
Ethyl alcohol	Present	64-17-5	10
Naphtha, petroleum, catalytic reformed	Present	68955-35-1	90

International Inventories

Component	DSL	EINECS	ENCS	KECL	CHINA	AICS	PICCS
Ethyl alcohol	Present	200-578-6	2-0202	X KE-13217		X	X
Naphtha, petroleum, catalytic reformed	Present	273-271-8		X KE-25600		X	

16. OTHER INFORMATION

Literary Reference

None

Prepared By

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