



GAP PROFESSIONAL PRODUCTS

Safety Data Sheet GAP Green Standard Conc. A.I.C. Foam

SECTION 1: Identification

1.1 GHS Product identifier

Product name	GAP Green Standard Conc. A.I.C. Foam
Product number	20012
Brand	GAP Professional Products

1.3 Recommended use of the chemical and restrictions on use

Induction Fuel System Cleaner
Professional Automotive, Industrial, or Commercial uses Only. Not for general consumer use.

1.4 Supplier's details

Name	GAP Professional Products
Address	122 Route 105 Keswick Ridge NB E6L 1B1 Canada
Telephone	(506) 363-9708
Fax	(506) 363-4241
email	info@gapauto.com

1.5 Emergency phone number

For Medical or Transport Emergencies
CANUTEC (24 Hours)
(613) 996-6666

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: WHMIS 2015

- Acute toxicity, dermal, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity following repeated exposure, Cat. 2
- Specific target organ toxicity following single exposure, Cat. 3
- Toxic to reproduction, Cat. 1
- Acute toxicity, inhalation, Cat. 5
- Acute toxicity, oral, Cat. 5
- Serious eye damage/eye irritation, Cat. 2

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2.2 GHS label elements, including precautionary statements

Pictograms



1. Exclamation mark; 2. Health hazard; 3. Gas cylinder; 4. Flame

Signal word

Warning

Hazard statement(s)

H303	May be harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H333	May be harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H360	May damage fertility or the unborn child [effect, route]
H373	May cause damage to organs [organs] through prolonged or repeated exposure [route]

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor/... if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment (see ... on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to ...
P304+P312	IF INHALED: Call a POISON CENTER/doctor/... if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	Concentration
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DIISOPROPANOLAMINE (CAS no.: 110-97-4; EC no.: 203-820-9; Index no.: 603-083-00-7)	10 - 30 % (weight)
CLASSIFICATIONS: Eye damage/irritation, Cat. 2. HAZARDS: H319 - Causes serious eye irritation.	
Isobutane (CAS no.: 75-28-5; EC no.: 200-857-2; Index no.: 601-004-01-8)	5 - 15 % (weight)
CLASSIFICATIONS: Flammable gases, Cat. 1; Gases under pressure, liquefied gas. HAZARDS: H220 - Extremely flammable gas; H280 - Contains gas under pressure; may explode if heated.	
Ethyleneglycol monobutyl ether (CAS no.: 111-76-2; EC no.: 203-905-0; Index no.: 603-014-00-0)	7 - 15 % (weight)
CLASSIFICATIONS: Acute toxicity, inhalation, Cat. 4; Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 2; Eye damage/irritation, Cat. 2. HAZARDS: H302 - Harmful if swallowed; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H332 - Harmful if inhaled. [SCLs/M-factors/ATEs]: Oral: ATE = 1200 mg/kg	
1,2,4-trimethylbenzene (CAS no.: 95-63-6; EC no.: 202-436-9; Index no.: 601-043-00-3)	3 - 7 % (weight)
CLASSIFICATIONS: Flammable liquids, Cat. 3; Acute toxicity, inhalation, Cat. 4; Specific target organ toxicity, single exposure, Cat. 3; Skin corrosion/irritation, Cat. 2; Eye damage/irritation, Cat. 2; Hazardous to the aquatic environment, long-term (chronic), Cat. 2. HAZARDS: H226 - Flammable liquid and vapor; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H332 - Harmful if inhaled; H335 - May cause respiratory irritation; H411 - Toxic to aquatic life with long lasting effects.	
MESITYLENE (CAS no.: 108-67-8; EC no.: 203-604-4; Index no.: 601-025-00-5)	1 - 5 % (weight)
CLASSIFICATIONS: Flammable liquids, Cat. 3; Specific target organ toxicity, single exposure, Cat. 3; Hazardous to the aquatic environment, long-term (chronic), Cat. 2. HAZARDS: H226 - Flammable liquid and vapor; H335 - May cause respiratory irritation; H411 - Toxic to aquatic life with long lasting effects. [SCLs/M-factors/ATEs]: STOT SE 3; H335: C ≥ 25 %	
Cumene (CAS no.: 98-82-8; EC no.: 202-704-5; Index no.: 601-024-00-X)	0.1 - 1 % (weight)
CLASSIFICATIONS: Flammable liquids, Cat. 3; Aspiration hazard, Cat. 1; Specific target organ toxicity, single exposure, Cat. 3; Hazardous to the aquatic environment, long-term (chronic), Cat. 2. HAZARDS: H226 - Flammable liquid and vapor; H304 - May be fatal if swallowed and enters airways; H335 - May cause respiratory irritation; H411 - Toxic to aquatic life with long lasting effects.	

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet, and get medical attention
In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician if symptoms occur. Wash contaminated clothes before reuse
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if easy to do. Get medical attention if symptoms occur.
If swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms/effects, acute and delayed

Mild tissue inflammation, rash, nausea.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Treat surrounding material. Regular foam, Water Spray, Water Fog, carbon dioxide or dry chemical. Spray using fog nozzles. Keep containers cool with water. Use caution when applying carbon dioxide in confined spaces.

5.2 Specific hazards arising from the chemical

Vapors/fumes may be irritating, corrosive, and/or toxic. Fire fighters must be protected from smoke with self contained breathing apparatus. Heavy smoke may obscure vision. Smoke may contain oxides of carbon, nitrogen, sulfur, and chlorine.

Isobutane: Carbon oxides

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5.3 Special protective actions for fire-fighters

Wear full protective clothing and self-contained breathing apparatus. Use water spray to cool exposed containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs. See Section 8 for recommended personal protective equipment.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent. SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. Dispose in suitable waste container.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid dust formation. dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container(s) tightly closed. Use and store this material at room temperature away from sources of ignition, heat, direct sunlight and hot surfaces. Keep away from any incompatible materials (see section 10)

Specific end use(s)

Store in original container. Store as directed by manufacturer

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Isobutane (CAS: 75-28-5 EC: 200-857-2)

TLV® (Inhalation): 1,000 ppm (ACGIH)

Central Nervous System impairment. Cardiac sensitization

REL-TWA (Inhalation): 800 ppm. 1,900 mg/m³ (NIOSH)

Central Nervous System impairment. Cardiac sensitization

2. Cumene (CAS: 98-82-8)

PEL (Inhalation): 50 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 245 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 50 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 50 ppm (NIOSH)

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OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 50 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

3. 1,2,4-trimethylbenzene (CAS: 95-63-6 EC: 202-436-9)

TWA: TWA: 25 ppm, TWA: 125 mg/m³ (NIOSH)

4. MESITYLENE (CAS: 108-67-8 EC: 203-604-4)

TWA: TWA: 25 ppm, TWA: 125 mg/m³ (NIOSH)

5. Ethyleneglycol monobutyl ether (CAS: 111-76-2 EC: 203-905-0)

TWA: STEL: 1000 ppm (ACGIH)

TWA: TWA: 800 ppm, TWA: 1900 mg/m³ (NIOSH)

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Showers, eyewash stations, and ventilation systems should be present and in good working order. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Wear Nitrile gloves, chemical resistant gloves.

Respiratory protection

Recommended: Dust mask or Respirator should be worn if product is used in confined space or used for a prolonged period of time.

SECTION 9: Physical and chemical properties

Appearance, such as physical state and colour	Amber Liquide - Flammable Aerosol
Odour	Characteristic
Odour threshold	Not determined
pH	9.6
Melting point and freezing point	Not determined
Initial boiling point and boiling range	> 35 °C / > 95 °F
Flash point	Not Determined
Evaporation rate	Not Determined
Flammability, in the case of solids and gases	Not Determined
Upper and lower flammability or explosive limits	Not Determined
Vapour pressure	< 7 mmHg @ 20 °C (68 °F)
Vapour density	Not Determined
Relative density	Not Determined
Solubility	Partially soluble
Partition coefficient — n-octanol/water	Log KOW > 4 (mineral oil data)
Auto-ignition temperature	Not Determined
Decomposition temperature	Not Available
Viscosity	20.14 cSt
Additional properties	
Physical state	Liquid
Colour	Amber
Explosive properties	Not Determined
Oxidising properties	None

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SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Stable under normal use conditions.

10.4 Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Oxides of carbon, oxides of sulfur, oxides of phosphorus, oxides of nitrogen, amines, aliphatic compounds, toxic by-products.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Diisopropanolamine 110-97-4

Oral LD50 = 4765 mg/kg (Rat) Dermal LD50 = 8000 mg/kg (Rabbit)

ISOBUTANE (PROPELLENT) 75-28-5

Dermal LD50 = 658 mg/L (Rat) 4 h

Ethylene Glycol Monobutyl Ether 111-76-2

Oral LD50 = 470 mg/kg (Rat) Dermal LD50 = 99 mg/kg (Rabbit) Inhalation LC50 = 450 ppm (Rat) 4 h

1,2,4-Trimethylbenzene 95-63-6

Oral LD50 = 3280 mg/kg (Rat) > 3160 mg/kg (Rabbit) Inhalation LC50 = 18 g/m³ (Rat) 4 h

1,3,5-Trimethylbenzene 108-67-8

Oral LD50 = 5000 mg/kg (Rat) - Inhalation LC50 = 24 g/m³ (Rat) 4 h

Cumene 98-82-8

Oral LD50 = 1400 mg/kg (Rat) = 12300 µL/kg (Rabbit) Inhalation LC50 > 3577 ppm (Rat) 6 h = 39000

Skin corrosion/irritation

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Serious eye damage/irritation

Dust is irritating to the eyes. Contact will cause stinging and tearing.

Respiratory or skin sensitization

Excessive inhalation of vapors can cause nasal and respiratory irritation and central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Germ cell mutagenicity

No data available

Carcinogenicity

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No data available

Reproductive toxicity

No data available

Specific target organ toxicity (STOT) - single exposure

HYDROCRACKED PARAFFINIC MINERAL OIL: No Data Available;
AROMATIC HYDROCARBON: Cat 3 Transient Toxicant - CNS, Liver, Kidneys;
TRADE SECRET COMPONENT: Cat 3 Transient Toxicant - CNS, Liver, Kidneys

Specific target organ toxicity (STOT) - repeated exposure

HYDROCRACKED PARAFFINIC MINERAL OIL: No Data Available;
AROMATIC HYDROCARBON: No Data Available;
TRADE SECRET COMPONENT: No Hazard

Aspiration hazard

HYDROCRACKED PARAFFINIC MINERAL OIL: Cat 1 Aspiration Hazard;
AROMATIC HYDROCARBON: Cat 1 Aspiration Hazard;
TRADE SECRET COMPONENT: No Hazard

Additional information

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human TLo inhalation 200ppm (200ppm) BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY)

BEHAVIORAL: ANTIPSYCHOTIC

BEHAVIORAL: IRRITABILITY "Handbook of Organic Industrial Solvents," 2nd ed., Chicago, National Assoc. of Mutual Casualty Companies, 1961Vol. 2, Pg. 39, 1961.

mouse LC50 inhalation 10gm/m3/7H (10000mg/m3) LIVER: MULTIPLE EFFECTS

KIDNEY, URETER, AND BLADDER: CHANGES IN BOTH TUBULES AND GLOMERULI

BLOOD: CHANGES IN SPLEEN Journal of Industrial Hygiene and Toxicology. Vol. 26, Pg. 264, 1944.

mouse LD50 oral 12750mg/kg (12750mg/kg) *Gigiena i Sanitariya*. For English translation, see HYSAAV. Vol. 36(9), Pg. 18, 1971.

rabbit LD50 skin 12300uL/kg (12.3mL/kg) *AMA Archives of Industrial Hygiene and Occupational Medicine*. Vol. 4, Pg. 119, 1951.

rat LCLo inhalation 8000ppm/4H (8000ppm) *AMA Archives of Industrial Hygiene and Occupational Medicine*. Vol. 4, Pg. 119, 1951.

rat LD50 oral 1400mg/kg (1400mg/kg) GASTROINTESTINAL: GASTRITIS *AMA Archives of Industrial Health*. Vol. 14, Pg. 387, 1956.

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*TOXICITY:

typ. dose mode specie amount unit other

LD50 ORL RAT 6720 MG/KG

*AQTX/TLM96: TLM96: 1000-100 PPM

*SAX TOXICITY EVALUATION: THR=LOW to MOD via oral route.

*CARCINOGENICITY: Not available

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*MUTAGENICITY: Not available

*TERATOGENICITY: Not available

*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

*OTHER TOXICITY DATA:

Skin and Eye Irritation Data:

skn-rbt 500 mg open MLD

eye-rbt 50 mg SEV

Status: Reported in EPA TSCA Inventory 1980

EPA TSCA 8(a) Preliminary Assessment Information Proposed Rule

SECTION 12: Ecological information

Toxicity

ENVIRONMENTAL DATA: No known significant effects or critical hazards

ECOTOXICOLOGICAL INFORMATION: Not Available

LC50 - Pimephales promelas (fathead minnow) - 205 mg/l - 96 h

Persistence and degradability

Not Determined

Bioaccumulative potential

Not Determined

Mobility in soil

Not Determined

Results of PBT and vPvB assessment

Not Determined

Endocrine disrupting properties

Not Determined

Other adverse effects

None Known

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of accordance in local, and provincial regulations for solvent and oil materials

Packaging disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Other disposal recommendations

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Prevent the material from entering drains and water courses. Do not discharge directly to a water source. Advise Authorities if spillage has entered watercourse or sewer or has contaminated soil or vegetation.

SECTION 14: Transport information

DOT (US)

UN Number: 1950

Class: 2.1 Flammable

Packing Group:

Proper Shipping Name: Aerosols, Flammable, Limited Quantity (LQ)

IMDG

UN Number:

Class:

Packing Group:

EMS Number:

Proper Shipping Name:

IATA

UN Number:

Class:

Packing Group:

Proper Shipping Name:

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Canadian Domestic Substances List (DSL)

All components of this product are listed on the Canadian Domestic Substance List

Canadian Non-Domestic Substances List (NDSL)

Pennsylvania Right To Know Components

Chemical name: 2-Propanol, 1,1'-iminobis-

CAS number: 110-97-4

New Jersey Right To Know Components

Common name: ISOBUTANE

CAS number: 75-28-5

Pennsylvania Right To Know Components

Chemical name: Propane, 2-methyl-

CAS number: 75-28-5

Canadian Domestic Substances List (DSL)

Chemical name: Propane, 2-methyl-

CAS: 75-28-5

Massachusetts Right To Know Components

Chemical name: Cumene

CAS number: 98-82-8

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California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

Cumene

CAS-No. 98-82-8

New Jersey Right To Know Components

Common name: CUMENE

CAS number: 98-82-8

Pennsylvania Right To Know Components

Chemical name: Benzene, (1-methylethyl)-

CAS number: 98-82-8

Pennsylvania Right To Know Components

Chemical name: Benzene, (1-methylethyl)-

CAS number: 98-82-8

Massachusetts Right To Know Components

Chemical name: Cumene

CAS number: 98-82-8

New Jersey Right To Know Components

Common name: CUMENE

CAS number: 98-82-8

California Prop. 65 components

Chemical name: Cumene

CAS number: 98-82-8

04/06/2010 - Cancer

SECTION 16: Other information

This Safety Data Sheet was prepared in good faith from the most recent information available. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

16.2 Preparation information

Prepared by Craig Gourley