Safety Data Sheet

Product identifier used on the label: PRIME AIR INTAKE CLEANER 13OZ
Product Code: PRIMAIC12
Revision Date: 08-12-2024
Replaces: 08-05-2024

1. Identification

Product identifier used on the label:	**PRIME AIR INTAKE CLEANER 13OZ**
Product Code:	PRIMAIC12
Other means of identification:	
Other means of identification:	
Synonyms:	No data available

Recommended use of the chemical and restrictions on use:

Recommended use:	Lubricants and performance fluids for the automotive industry
Restrictions on use:	Uses other than those described above
Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:	Highline Warren LLC 8700 Trail Lake Drive West Suite 300 Memphis, TN 38125
Phone number:	+01 (901) 437-8615
E-mail address:	sds@highlinewarren.com
Emergency phone number:	CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:



GHS Classification:

Flammable Aerosol Category 1

Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1

Aspiration Hazard Category 1

Skin Corrosion/Irritation Category 2

Reproductive Toxicity Category 2

Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2

Hazardous to the aquatic environment - Acute Category 2

	Hazardous to the aquatic environment - Chronic Category 2
	Acute Toxicity - Oral Category 3
	Acute Toxicity - Inhalation Dust / Mist Category 4
	Acute Toxicity - Inhalation Vapor Category 4
	Acute Toxicity - Dermal Category 4
Signal Word:	Danger
Hazard Statements:	Extremely flammable aerosol; Toxic if swallowed; May be fatal if swallowed and enters airways; Harmful in contact with skin or if inhaled; Causes skin irritation; Harmful if inhaled; Suspected of damaging fertility or the unborn child.; Causes damage to organs; May cause damage to organs through prolonged or repeated exposure; Toxic to aquatic life; Toxic to aquatic life with long lasting effects
Precautionary Statements:	
Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response:	If swallowed: Immediately call a poison center/doctor. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If exposed: Call a poison center/doctor. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor/if you feel unwell. Specific treatment (see Sections 4 - 8 of Safety Data Sheet). Rinse mouth. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.
Storage:	Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazards not otherwise classified:	No data available

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Naphtha, petroleum, hydrotreated light	No data available	64742-49-0	30 - 60
Methanol	No data available	67-56-1	30 - 60
Heptane	No data available	142-82-5	10 - 30
Toluene	No data available	108-88-3	5 - 10
Acetone	No data available	67-64-1	5 - 10
Carbon dioxide	No data available	124-38-9	5 - 10
Methylcyclohexane	No data available	108-87-2	1 - 5

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: If inhaled: Remove person to fresh air and keep comfortable for breathing.

Eye Contact: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Specific treatment (see Sections 4 - 8 of Safety Data Sheet). If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Do NOT induce vomiting.

Ingestion: If swallowed: Immediately call a poison center/doctor. Rinse mouth. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed: Severe pulmonary irritation Impaired vision. Muscle pains. Temporary or permanent blindness. Systemic effects similar to those resulting from ingestion. Mental confusion. Coughing. Drowsiness. Dizziness. Headache. Nausea Vomiting.

Indication of immediate medical attention and special treatment needed, if necessary: Specific treatment (see Sections 4 - 8 of Safety Data Sheet). Call a poison center/doctor/if you feel unwell. If exposed or concerned: Get medical advice/attention. If exposed: Call a poison center/doctor.

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
Unsuitable extinguishing media:	No data available
Specific hazards arising from the chemical:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back
Hazardous combustion products:	Carbon monoxide, Formaldehyde
Special protective equipment and precautions for fire-fighters:	Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Avoid release to the environment.
Methods and materials for containment and cleaning up:	Collect spillage.

7. Handling and storage

Precautions for safe handling:	Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Conditions for safe storage, including any incompatibilities:	
Safe storage conditions:	Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Store locked up.
Materials to Avoid/Chemical	Strong oxidizing agents, Strong acids, Peroxides, Hypochlorites, Acetic

Incompatibility: anhydride, Caustics (bases)

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH	US WEEL
Methanol	200 ppm TWA; 260 mg/m3 TWA	200 ppm TWA	250 ppm STEL	6000 ppm IDLH	No data available
Heptane	500 ppm TWA; 2000 mg/m3 TWA	400 ppm TWA (listed under Heptane, all isomers)	500 ppm STEL (listed under Heptane, all isomers)	750 ppm IDLH	No data available
Acetone	1000 ppm TWA; 2400 mg/m3 TWA	250 ppm TWA	500 ppm STEL	2500 ppm IDLH (10% LEL)	No data available
Toluene	200 ppm TWA	20 ppm TWA	No STEL	500 ppm IDLH	No data available
Carbon dioxide	5000 ppm TWA; 9000 mg/m3 TWA	5000 ppm TWA	30000 ppm STEL	40000 ppm IDLH	No data available
Methylcyclohexane	500 ppm TWA; 2000 mg/m3 TWA	400 ppm TWA; 1610 mg/m3 TWA	No STEL	1200 ppm IDLH (10% LEL)	No data available

Appropriate engineering controls: Use only outdoors or in a well-ventilated area. Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Explosion proof exhaust ventilation should be used. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910.

Individual protection measures, such as personal protective equipment:

Respiratory Protection: Do not breathe dust/fume/gas/mist/vapors/spray.

Respirator Type(s): If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant

	a respirator's use.
Eye protection:	Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses. Wear goggles and a Face shield. An eye wash station must be available where this product is used.
Skin protection:	Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.
Gloves:	Butyl rubber, Polyethylene, Polyvinylalcohol, Nitrile
Other protective equipment:	Wear goggles and a Face shield. An eye wash station must be available where this product is used. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.
General hygiene conditions:	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

9. Physical and chemical properties

Appearance (physical state, color etc.):	
Physical state:	Aerosol
Color:	No data available
Odor:	Not determined
Odor Threshold:	Not determined
pH:	No data available
Melting point/freezing point:	
Melting Point:	No data available
Freezing point:	No data available
Initial boiling point and boiling range (°C):	No data available
Flash Point (°C):	Not determined
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive	

limits:	
Upper flammability or explosive limits:	Not established
Lower flammability or explosive limits:	Not established
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	1
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	2.65
Auto-ignition temperature:	No data available
Decomposition Temperature:	Not determined
Viscosity:	No data available

10. Stability and reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None expected under standard conditions of storage.
Conditions to avoid (e.g., static discharge, shock, or vibration):	Sparks, open flame, other ignition sources, and elevated temperatures. Visible light
Incompatible materials:	Strong oxidizing agents, Strong acids, Peroxides, Hypochlorites, Acetic anhydride, Caustics (bases)
Hazardous decomposition products:	Carbon monoxide, Formaldehyde

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Eye contact, Ingestion, Absorption, Inhalation, Skin contact
Symptoms related to the physical, chemical and toxicological characteristics:	Severe pulmonary irritation Impaired vision. Muscle pains. Temporary or permanent blindness. Systemic effects similar to those resulting from ingestion. Mental confusion. Coughing. Drowsiness. Dizziness. Headache. Nausea Vomiting.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion:	Toxic if swallowed
Skin Contact:	Harmful in contact with skin or if inhaled Causes skin irritation.
Inhalation:	Harmful if inhaled
Eye Contact:	The material is likely to be moderately irritating to eyes based on animal data. Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Sensitization:	Non-hazardous under Respiratory Sensitization category.
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Carcinogenicity:	None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.
Reproductive toxicity	Contains a substance that is a possible reproductive system hazard based on animal studies at doses that could be encountered in the workplace.
STOT-single exposure:	Classification has been based on toxicological information of the components in Section 3.
STOT-repeated exposure:	Classification has been based on toxicological information of the components in Section 3.
Aspiration hazard:	Classification has been based on toxicological information of the components in Section 3.
Other information:	None known.

Numerical measures of toxicity (such as acute toxicity estimates)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methylcyclohexane	Oral LD50 Rat > 3200 mg/kg	Dermal LD50 Rabbit > 86700 mg/kg	
Toluene	Oral LD50 Rat 2600 mg/kg	Dermal LD50 Rabbit 12000 mg/kg	Inhalation LC50 (4h) Rat 12.5 mg/L
Acetone	Oral LD50 Rat 5800 mg/kg	Dermal LD50 Rabbit > 15700 mg/kg	Inhalation LC50 (8h) Rat 50100 MG/M3
Heptane	Oral LD50 Mouse > 5000 mg/kg	Dermal LD50 Rabbit = 3000 mg/kg	Inhalation LC50 (4h) Rat 103 mg/L
Naphtha, petroleum, hydrotreated light	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 3160 mg/kg	Inhalation LC50 (4h) Rat 73680 ppm

Methanol	Oral LD50 Rat 6200 mg/kg	Dermal LD50 Rabbit 15800 mg/kg	Inhalation LC50 (8h) Rat 22500 ppm

Classification has been based on toxicological information of the components in Section 3.

Is the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): Extreme ecological hazard. This product may be highly toxic to plants and/or wildlife.

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Methylcyclohexane	108-87-2	No data available	No data available	LC50 (96h) Oryzias latipes (Japanese Rice Fish) 2.07 mg/L
Acetone	67-64-1	EC50 (48h) Daphnia magna 12600 - 12700 mg/L EC50 (48h) Daphnia magna 10294 - 17704 mg/L	No data available	LC50 (96h) Lepomis macrochirus (Bluegill) 8300 mg/L LC50 (96h) Pimephales promelas (Fathead Minnow) 6210 - 8120 mg/L LC50 (96h) Rainbow Trout 4.74 - 6.33 ml/l
Toluene	108-88-3	LC50 (48h) Daphnia magna 5.46 - 9.83 mg/L	Aquatic ERC50 (96h) > 433 mg/L	LC50 (96h) 15.22 - 19.05 mg/L
Carbon dioxide	124-38-9	No data available	No data available	LC50 (96h) Rainbow Trout 35

				mg/L
Heptane	142-82-5	1.5 mg/L	No data available	LC50 (96h) 375 mg/L
Methanol	67-56-1	No data available	No data available	LC50 (96h) Lepomis macrochirus (Bluegill) 13500 - 17600 mg/L LC50 (96h) Rainbow Trout 18 - 20 ml/l LC50 (96h) Rainbow Trout 19500 - 20700 mg/L LC50 (96h) Pimephales promelas (Fathead Minnow) > 100 mg/L LC50 (96h) Pimephales promelas (Fathead Minnow) 28200 mg/L
Naphtha, petroleum, hydrotreated light	64742-49-0	No data available	No data available	LC50 (96h) Rainbow Trout 8.41 mg/L

Persistence and degradability: Biodegrades quickly.

Bioaccumulative potential: Bioconcentration may occur.

Mobility in soil: This material is expected to have very high mobility in soil. It does not absorb to most soil types. This material is expected to evaporate quickly from surface soils and/or waters.

Other adverse effects (such as hazardous to the ozone layer): None known.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the Dispose of contents and container in accordance with local/regional/national/international regulations.

disposal of any contaminated packaging:	
Waste codes / waste designations:	D001
Contaminated packaging:	Containers of this material may be hazardous when emptied.

14. Transport information

Carriage of dangerous goods by road (DOT), rail or inland waterways:

Exception:	UN1950, AEROSOLS, FLAMMABLE, (EACH NOT EXCEEDING 1 L CAPACITY), 2.1, LTD QTY

International carriage of dangerous goods by sea (IMDG/IMO):

UN number:	UN1950
UN Proper shipping name:	AEROSOLS, FLAMMABLE
Transport hazard class(es):	2.1
Packing group, if applicable:	Not applicable
Exception:	LTD QTY
EMS#:	F-D,S-U

International carriage of dangerous goods by air (IATA):

UN number:	UN1950
UN Proper shipping name:	AEROSOLS, FLAMMABLE
Transport hazard class(es):	2.1
Packing group, if applicable:	Not applicable
Exception	LTD QTY

Environmental hazards (e.g., Marine pollutant (Yes/No)):	Yes
Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):	No data available
Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside	No data available

their premises:

15. Regulatory information

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

TSCA Status: All components of this material are on the Active US TSCA Inventory or are exempt.

Regulated Components:

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Methanol	67-56-1	Y	N	Y	Y
Naphtha, petroleum, hydrotreated light	64742-49-0	N	N	N	N
Heptane	142-82-5	N	N	N	N
Acetone	67-64-1	Y	N	N	N
Toluene	108-88-3	Y	N	Y	Y
Carbon dioxide	124-38-9	N	N	N	N
Methylcyclohexane	108-87-2	N	N	N	N

Chemical Name	CAS #	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Methanol	67-56-1	N	Y	N	N
Naphtha, petroleum, hydrotreated light	64742-49-0	N	N	N	N
Heptane	142-82-5	N	N	N	N
Acetone	67-64-1	N	N	N	N
Toluene	108-88-3	N	Y	N	N
Carbon dioxide	124-38-9	N	N	N	N
Methylcyclohexane	108-87-2	N	N	N	N

California Prop 65

WARNING: This product can expose you to chemicals including Benzene which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Methanol	67-56-1	Y	Y	Y	N	Y

Naphtha, petroleum, hydrotreated light	64742-49-0	N	N	N	N	N
Heptane	142-82-5	Y	Y	Y	N	Y
Acetone	67-64-1	Y	Y	Y	N	Y
Toluene	108-88-3	Y	Y	Y	N	Y
Carbon dioxide	124-38-9	Y	Y	Y	N	Y
Methylcyclohexane	108-87-2	Y	Y	Y	N	Y

16. Other information, including date of preparation or last revision.

SDS Prepared by: MCHONGOOFAFA

Revision Date: 08-12-2024

Revision Number: 2

Reason for revision: NEW ITEM
References: No data available
Other Info: No data available

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