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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 46F CARBURETOR & PARTS CLEANER 1GAL
Item No: 82578
Product Type: Cleaner

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	ACGIH TLV:	OSHA PEL:
2-BUTOXYETHANOL 111-76-2	15-25	20 ppm TWA	25 ppm TWA; 240 mg/m ³ TWA
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM. 64742-94-5	15-25	Not Listed	Not Listed
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC 64742-95-6	10-20	5 mg/m ³ TWA mist	5 mg/m ³ TWA mist
NONIONIC SURFACTANT 127087-87-0	1-10	Not Listed	Not Listed
1,2,4-TRIMETHYLBENZENE 95-63-6	1-10	25 ppm TWA	25 ppm TWA
NAPHTHALENE 91-20-3	1-5	10 ppm	10 ppm

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye, skin and respiratory irritation. Intentional misuse by concentrating and inhaling the vapor may be harmful or fatal. Aspiration hazard if swallowed. Exposure to 2-butoxyethanol can cause nausea, dizziness, vomiting, malaise, incoordination, diarrhea, weakness, eye redness and swelling of conjunctiva. Prolonged exposure may cause liver and kidney effects and may affect the central nervous system..
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation
Signs and Symptoms of Exposure: Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Ingestion may cause nausea and vomiting. Overexposure may cause eye and skin redness.

Ingredient	Weight Percent	NTP	ACGIH Carcinogens	IARC
2-BUTOXYETHANOL 111-76-2	15-25	male rat-no evidence; female rat-equivocal evidence; male mice- some evidence; female mice-some evidence	A3	Group 3; Vol.88, 2004

Medical Conditions Recognized as Being Aggravated by Exposure: Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation: Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed. Obtain medical attention.
Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): 137° F Method: TCC
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

5. FIRE FIGHTING MEASURES

Special Fire-Fighting Procedures:

Firefighters should wear self-contained breathing apparatus. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

Hazardous Products of Combustion:

Oxides of carbon

Unusual Fire/Explosion Hazards:

Closed containers may rupture or explode when exposed to extreme heat.

Lower Explosive Limit:

1%

Upper Explosive Limit:

11%

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage:

Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F.

Handling:

Avoid prolonged skin contact. Keep away from eyes. Do not inhale vapors. Do not take internally. Do not use near heat, sparks or open flame. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:

Safety glasses

Skin:

Rubber or plastic gloves.

Ventilation:

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Respiratory Protection:

An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Amber liquid

Odor:

Solvent

Boiling Point:

212°F

pH:

Does not apply

Solubility in Water:

Slight

Specific Gravity:

0.94

VOC Content(Wt.%):

41% by weight

Vapor Pressure:

24 mmHg @ 68°F

Vapor Density (Air=1):

4.7

Evaporation Rate:

0.4 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable at normal conditions

Hazardous Polymerization:

WILL NOT OCCUR.

Incompatibilities:

Strong oxidizers

Conditions to Avoid:

Keep away from heat, sparks and open flame

Hazardous Products of Combustion:

Oxides of carbon

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number:

D001 as per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: None
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Do Not Ship By Air
Class or Division: Not applicable
UN/NA Number: Not applicable

IMDG

Proper Shipping: Flammable liquid, n.o.s., (Naphtha, 2-butoxyethanol)
Hazard Class: Class 3 PGIII
UN Number: UN 1993

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

2-BUTOXYETHANOL, NAPHTHALENE, 1,2,4-TRIMETHYLBENZENE

CALIFORNIA PROP 65:

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

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 2, REACTIVITY 0

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 2, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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