

MATERIAL SAFETY DATA SHEET

Total Solutions
P.O. Box 240014
Milwaukee, WI 53224



GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

REVISION DATE: March 26, 2004
DATE OF ISSUE: March 31, 2004

I - Product Identification

Carb & Choke Cleaner

PRODUCT CODE: 8309

CHEMICAL FORMULATION: Pressurized solvent based cleaner.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 4

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Isoparaffinic Hydrocarbon	20.0-25.0	N/E	N/E	N	N	N	64742-47-8
Xylene	15.0-25.0	100 ppm	100 ppm	Y	N	Y	1330-20-7 & 100-41-4
Toluene	15.0-25.0	200 ppm	50 ppm (skin)	Y	N	Y	108-88-3
Methanol	4.00-6.00	200 ppm	200 ppm	Y	N	Y	67-56-1
Liquefied Petroleum Gas	20.0-30.0	1000 ppm	1000 ppm	N	N	N	64742-47-8

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY (WATER = 1): < 1.00

VAPOR PRESSURE (psig): 110 @ 130 F

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): > 1.00

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Negligible

pH: N/A

APPEARANCE AND ODOR: Clear solution; solvent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/D (TEST METHOD):

FLAME EXTENSION: N/D

FLAMMABLE LIMITS IN AIR (VOLUME %)(PROPELLANT)

UPPER: 9.5 LOWER: 1.8

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

NFPA 30B Rating: 3

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Contents under pressure! Exposure to temperatures above 120° F may cause bursting.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Oxidizing agents, concentrated Nitric and Sulfuric acids, halogens molten sulfur, strong acids and bases.

CONDITIONS TO AVOID: Heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon, formaldehyde.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: Severe irritation, excess redness and swelling of the conjunctive.

IF ON SKIN: May cause irritation and dermatitis with prolonged or repeated exposure.

IF SWALLOWED: Harmful or fatal if swallowed. Dizziness, drowsiness, decreased awareness and responsiveness, lack of coordination, abdominal discomfort, nausea, vomiting, diarrhea, blurred vision possibly leading to blindness. Aspiration is a hazard.

IF INHALED: May cause headache, dizziness, anesthesia, drowsiness, unconsciousness and other CNS disorders including death. May cause peripheral nervous system disorder and/or damage.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Flush skin with water while removing contaminated clothing. Wash skin with soap and water. Launder clothing separately before reuse. If irritation persists, obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting unless instructed to do so by a physician or poison control center.

IF INHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration. If breathing administer oxygen. Obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Remove all sources of ignition. Soak up material with inert absorbent material and place in a labeled closed container for disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Protective clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat, sparks or open flame. Wash hands before eating or smoking. Do not store at temperatures above 120 F.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

REVISION DATE: March 26, 2004

Prepared by: PMR

DATE OF ISSUE: March 31, 2004

This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Total Solutions assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material such vendees or users assume all risks associated with the use of this material.