

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	CD-2 Engine Detailer
PRODUCT CODE	4516
CHEMICAL FAMILY	Petroleum Distillates
CHEMICAL NAME	Complex Mixture of Hydrocarbons
FORMULA	Mixture

MANUFACTURER

CD-2 Company
625 Willowbrook Centre Parkway
Willowbrook, IL 60527
Phone: 630-455-3866
Fax: 630-455-3868

EMERGENCY TELEPHONE NUMBERS

Transportation:
CHEMTREC: 800-424-9300
Medical:
Contact Local Poison Control Center

2. POSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	CONCENTRATION (wt %)
Petroleum Distillates	64742-48-9	60 – 70
Propane	00074-98-6	10 – 15
Isobutane	00075-28-5	10 - 15

EXPOSURE LIMITS 8 hrs. TWA(ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum Distillates	100 ppm	100 ppm
Propane	1000 ppm	1000 ppm
Isobutane	800 ppm	800 ppm

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION: Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headaches, possible unconsciousness and even asphyxiation.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into lungs can cause pneumonitis which can be fatal.

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

EYE CONTACT: Can cause severe irritation, redness, tearing or blurred vision.

4. FIRST AID MEASURES

EYE: Flush with large amounts of water, lifting upper and lower eyelids occasionally. Get medical attention.

SKIN: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder before re-use.

INHALATION: Remove person to fresh air. If breathing difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Call a physician.

INGESTION: Do not induce vomiting. Keep person quiet and warm. Get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

5. **FIRE FIGHTING MEASURES**

FLASH POINT: Flame length in excess of 18 inches, with visible flash back to nozzle by CPSC test 16CFR1500.3(c)(vii); rated extremely flammable.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Aerosol cans are under pressure, can explode when heated above 120°F and can become projectiles. Treat contents as flammable liquid/explosive vapor fire. Keep unignited containers cool with water. Vapors are heavier than air, may collect in low areas, and may travel to distant source of ignition and flashback.

6. **ACCIDENTIAL RELEASE MEASURES**

SPILL OR LEAK PROCEDURES: Ventilate area. Remove sources of ignition. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Absorb small amounts on inert material for disposal.

7. **HANDLING AND STORAGE**

STORAGE TEMPERATURE (MIN./MAX.): 21 ° F (-6 ° C)/ 113 ° F (45 C)

SHELF LIFE: 3 years minimum when the original container is kept tightly closed and properly stored.

SPECIAL SENSITIVITY: None.

HANDLING AND STORAGE PRECAUTIONS: Avoid storing or heating above recommended temperatures.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

EYE PROTECTION REQUIREMENTS: Splash goggles.

SKIN PROTECTION REQUIREMENTS: Wear chemically resistant gloves.

RESPIRATOR/VENTILATION REQUIREMENTS: Provide sufficient ventilation to avoid exposure levels above the established TLV's.

EXPOSURE LIMITS: Not established for product as whole.

Petroleum Distillates	OSHA	100 ppm
Propane	OSHA	1000 ppm
Isobutane	OSHA	800 ppm

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Liquid in aerosol container
COLOR:	Clear water white thin liquid
ODOR:	Fruity odor
BOILING POINT:	-40°F (-40°C)
MELT / FREEZE POINT	Not Determined
PH:	Not applicable
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	0.690 @ 60 ° F (15.6 ° C)
% VOLATILE BY WEIGHT:	80 %
VAPOR PRESSURE:	35 – 45 psig @ 70°F
VAPOR DENSITY:	Not determined

10. REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Strong oxidizing agents and acids.

DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ACUTE INHALATION: Aspiration into lungs can cause pneumonitis which can be fatal.

CHRONIC INHALATION: Not determined.

ACUTE SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation, defatting or dermatitis.

CHRONIC SKIN CONTACT: Not determined.

ACUTE EYE CONTACT: Can cause severe irritation, redness, tearing or blurred vision.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Ignitable hazardous waste, EPA Hazardous Waste Number D001

WASTE DISPOSAL METHOD: Dispose of product in accordance with all local, state and federal laws and regulations.

14. TRANSPORT INFORMATION

DOT INFORMATION:

PROPER SHIPPING NAME:	Non Bulk Bulk	Not regulated Aerosol 30
TECHNICAL SHIPPING NAME:		Consumer Commodity
HAZARD CLASS:	Non Bulk Bulk	ORM-D 2.1
UN NUMBER:		UN 1950
PRODUCT RQ (lbs):		None
LABEL:	Non Bulk Bulk	ORM-D Flammable gas
PLACARD:	Non Bulk Bulk	ORM-D Aerosols
FREIGHT CLASS BULK:		Aerosol 30
FREIGHT CLASS PACKAGE:		None
PRODUCT LABEL		None

15. REGULATORY INFORMATION

TSCA STATUS: All ingredients listed.

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES None

SECTION 311/312 HAZARD CATEGORIES

Acute Health	Yes
Chronic Health	Yes
Fire	Yes
Reactive	No
Sudden Release of Pressure	Yes

SECTION 313

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION</u>
None		

RCRA STATUS: If discarded in its purchased form, this product would be an ignitable waste with an EPA Hazardous Waste Number of D001. However, under RCRA, it is the responsibility of the product

