

HYDROCARBON PRODUCTS (Cont.)



GC Natural Citrus Cleaner

Excellent non-corrosive cleaner/degreaser with pleasant citrus scent. Safely removes most adhesives, plastics and tape residue. Created out of concern for the environment, this natural citrus cleaner is effective for removal of adhesives, grease, oil, stains, road tar, rubber marks, residue from decals, heel marks, graffiti, lipstick, release agents, and even soap film. Use where chlorinated solvents are not recommended. This can be used safely on most substrates, including painted surfaces, glass, porcelain, concrete, and is compatible with most plastics. This product does not contain ozone depleting chemicals. No CFC's. No HCFC's. Do not use as an electrical contact cleaner.

Part No. 19-701 12 oz. Aerosol
Replaces Part No. **19-700**



DE-OX-ID

Solventless, light oil based contact treatment compound with active ingredients to counteract oxidation. Lowers contact resistance, inhibits arcing, lubricates and protects against corrosion. For use on connectors, sockets, potentiometers, switch contacts, battery connections, telescoping antennas, relay and thermostat contacts. Should be applied sparingly (e.g. with a toothpick or a hypodermic needle injector) on dirty, dusty and heavily oxidized contacts. Precleaning with a solvent type cleaner is recommended. Best results are obtained with small amounts.

Part No. 19-1902 2 oz. Bottle
Part No. 19-1906 4 oz. Aerosol



GC NPB³ – Cleaner and Degreaser

GC NPB³ – Cleaner and Degreaser is an aggressive cleaner used for removing a broad range of contaminants and heavy soils. Highly recommended for metal cleaning. Contains no HCFC's or CFC's and is non-ozone depleting. Is safe on most surfaces except polycarbonate, polystyrene, ABS and acrylic materials. (To insure complete compatibility, test before use.)

Applications:

Heavy soils on metal, motors, machinery and other types of metal cleaning. Can be used on energized circuits.

Environmental Data:

CFC: 0% HCFC: 0% ODP: 0 VOC: 70%

Part No. 19-801 12 oz. Aerosol
New Size

Part No. 19-802 16 oz. Aerosol
Replaces Part No. **19-8669**

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: **Contact Cleaner**
 Product Name: **GC DE-OX-ID**
 Part Number(s): **19-1906**
Z-9718

Section 1 - Identification of ProductCOMMON NAME (used on label)(Trade Name & Synonyms): **GC DE-OX-ID**

CAS. NUMBER: See Section 2

CHEMICAL NAME: Heptane & Petroleum Distillates

CHEMICAL FAMILY: N/A

FORMULA: N/A

HMIS RATINGS

	Minimal Hazard	0
	Slight Hazard	1
Health: 1	Moderate Hazard	2
Flammability: 4	Serious Hazard	3
Reactivity: 0	Severe Hazard	4
Personal Protection: B	Gloves, Safety Glasses	B

Section 2 - Hazardous Ingredients

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS. #	OSHA PEL	ACGIH TLV	VAPOR			FLASH POINT DEG. F	APPROX WT %
				PRESSURE @25 DEG.C.	LEL	UEL		
Heptane	142-82-5	400ppm	400ppm	45 mmHg	1.2	6.7	<20(TCC)	60 - 70
VM&P Naptha	64742-89-8	300ppm	300ppm	5.2 mmHg	0.9	6.0	40(TCC)	15 - 20
Mineral Oil	8042-47-5	5mg/m3	5mg/m3	N/A	N/A	N/A	>265	5 - 10
Carbon Dioxide	124-38-9	5000ppm		1 atm.	None	None	None	<10

Section 3 - Physical Data**BOILING POINT (Deg. F):** Concentrate Range: 180 - 550**SPECIFIC GRAVITY (Water = 1):** Concentrate: .74**VAPOR PRESSURE (mmHg):** See Section 2

PERCENT VOLATILE BY WEIGHT (%): 90%

PERCENT VOLATILE ORGANIC COMPOUNDS: 90%

VAPOR DENSITY (Air = 1): >1

EVAPORATION RATE (BA = 1): >1

SOLUBILITY IN WATER: Negligible

REACTIVITY IN WATER: None

APPEARANCE AND ODOR: CONCENTRATE: Clear liquid, irritating odor at high concentrations;

PROPELLANT: Colorless, odorless gas; FINISHED PACKAGE: Pressurized containers.

Section 4 - Fire & Explosion Hazard Data

FLASH POINT: See Section 2

FLAMMABLE LIMITS IN AIR - % BY VOLUME: See Section 2

EXTINGUISHER MEDIA: Water fog, dry chemical, carbon dioxide

AUTO-IGNITION TEMPERATURE: Unknown

SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained, positive pressure, respiratory equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Extremely flammable. Contents under pressure. Do not use or store near heat or ignition sources. Containers may burst at temperatures above 130 deg. F.

Section 5 - Health Hazard Data

THRESHOLD LIMIT VALUE: See Section 2

SIGNS AND SYMPTOMS OF EXPOSURE:

EYE CONTACT:

Contact with liquid or mist may cause irritation. Vapors may irritate eyes;

SKIN CONTACT:

Prolonged contact may cause irritation, defatting of skin;

INHALATION:

May cause nose and throat irritation. May cause nervous system

depression characterized by the following progressive steps: Headache, dizziness, nausea, staggering gait, confusion, and unconsciousness.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. INTENTIONAL

MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THE CAN MAY BE HARMFUL OR FATAL;

INGESTION:

Aspiration may cause rapid absorption through the lungs, which may result in systemic effects.

IMPORTANT NOTE: REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY LEAD TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EYE WATERING, HEADACHES, NAUSEA, DIZZINESS AND LOSS OF COORDINATION ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

Section 9 – Special Precautions**PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:**

Do not store above 120 Deg. F. Do not use or store near any open flames or ignition sources.

OTHER PRECAUTIONS:

Extremely flammable. Do not use or store near open flames, heat, or any sources of ignition. Contents under pressure. Do not puncture or incinerate. Vapors are heavier than air and will collect in low areas.

Section 10 - Regulatory Information

SUBJECT TO SECTION 313 OF SARA TITLE III: No.

ALL CHEMICAL COMPONENTS ARE LISTED IN THE TSCA INVENTORY.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: NATIONAL TOXICOLOGY PROGRAM: No

I.A.R.C. MONOGRAPHS: No

OSHA: No

OSHA PERMISSIBLE EXPOSURE LIMIT: See Section 2

ACGIH THRESHOLD LIMIT VALUE: See Section 2

OTHER EXPOSURE LIMITED USED: None

Section 11 - Other Information**TRANSPORTATION INFORMATION – DOMESTIC GROUND**

Shipping Name:	Aerosol, Flammable, N.O.S.
Hazard Class:	2.1
UN Number:	UN1950
Packing Group:	N/A
Hazard Label:	ORM-D
Carton Marking:	ORM-D
Description:	Heptane and Petroleum Distillates