DPM 2449-2

REC'D DEC 03 1987

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

IDENTITY (As Used on Label and List): Dubl-Chek D100 Developer & D350 Developer

Transportation Emergency: CHEMTREC 800/424-9300

Section I

Manufacturer's Name: Sherwin Incorporated	Emergency Telephone Number: 213/861-6324
Address (Number, Street, City, State, and ZIP Code): 5530 Borwick Ave.	Telephone Number for Information: 213/861-6324
South Gate, CA 90280	Date Prepared: August 4, 1987
	Signature of Preparer (optional):

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hydrocarbon Propellant (liquified petroleum gas) L.P.G. CAS No. 68476-85-7	none listed	1000 ppm		
Isopropyl Alcohol CAS No. 67-63-0	400 ppm	400 ppm		

note: Spray can package contains a liquified petroleum gas (similar propane) which is extremely flammable. Contents of spray can are UNDER PRESSURE. Do not puncture, incinerate, burn compact, or heat. Exposure to temperatures above 120° F may cause bursting. Avoid prolonged exposure to sun's rays. STORE UNDER 120° F. Do not place on heated surfaces. Do not use as a hammer or otherwise misue. Keep away from sparks, torches, welding areas and open flames. Do not use in confined area or area with little air movement. Employ means to prevent vapor buildup.

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H_2O = 1)	N/A
Vapor Pressure (mm Hg) in cans @ 70 F	50 psig	Melting Point	N/A
Vapor Density (AIR = 1) not determined		Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water: Soluble

Appearance and Odor: dries to white powder

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) not applicable to spray cans	Flammable Limits propellant portion .	LEL 1.8% vol.	UEL 9.5% vol

Extinguishing Media: CO-2 .. dry chemical, foam

Special Fire Fighting Procedures: Spray cans under pressure..explosion hazard exists. Do not enter spray can storage area if fire present.

Unusual Fire and Explosion Hazards: As encountered with pressurized spray cans, using flammable gas as propellant. Considered "extremely flammable". Explosion hazard exists when spray cans heated.

Section V — Reactivity Data

Stability			Conditions to Avoid
	Unstable		Open flames. Build of vapors. High temperatures.
	Stable	X	Hazards normally associated with spray can packages.

Incompatibility (Materials to Avoid) Strong oxidizing materials.

Hazardous Decomposition or Byproducts

Hazardous Polymerization			Conditions to Avoid
	May Occur		
	Will Not Occur	X	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?
Primary routes of entry skin and eye contact.

Health Hazards (Acute and Chronic) not known

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure Eyes: irritation. Skin: Moderate irritation. Inhalation: light headiness.

Medical Conditions Generally Aggravated by Exposure Not known.

Emergency and First Aid Procedures
Eyes - flush with water. Skin-wash and remove contaminated clothing. Inhalation-fresh air. Ingestion-do not induce vomiting. Get immediate medical attention.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
With spray can package, spill of consequence unlikely. Eliminate all open flames and sources of ignition in vicinity of spill or released vapor. Ventilate area. Do not allow vapors to buildup. Absorb spills with absorbent material. (A fire or vapor hazard may still exist as absorbent materials will absorb only liquids, not vapors.)

Waste Disposal Method Place contaminated materials in disposable containers and dispose of in accordance with local, state and federal regulations. Leaking spray cans should be placed in open pail until pressure dissipated.

Precautions to Be Taken in Handling and Storing
Store spray cans in cool, well ventilated areas away from sources of ignition such as as sparks, flames, welding arcs. Do not store above 120oF. Check with local fire dept. for storing requirements.

Other Precautions
Emptied containers retain vapor and product residues. Do not weld, cut or drill container. Retained vapor is explosive. Dispose of empty spray can properly. Do not incinerate, crush, compact or burn.

Section VIII — Control Measures

Respiratory Protection (Specify Type) (Vapor concentration from spray cans sufficient to warrant respiratory equipment should not be permitted.)
Not normally required.

Ventilation		Special
	Local Exhaust: Sufficient to keep vapor concentration	none
	Mechanical (General): below TLV.	Other: none

Protective Gloves plastic, rubber, neoprene

Eye Protection Chemical safety if possibility of spraying into eyes.

Other Protective Clothing or Equipment none required.

Work/Hygienic Practices Wash hands before eating. Do not smoke.

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BOE-C6-0204129