



GRAPHIC ADHESIVE
PRODUCTS

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): AR 409 ORANGE PEEL (ADHESIVE REMOVER)

MANUFACTURER'S NAME: GRAPHIC ADHESIVE PRODUCTS, INC.

Address (complete mailing address):

Phone number (or additional information):

Date prepared or revised: 02/01/04 Name of preparer: PAT DIAMOND

II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Percent	Exposure Limits in Air (give units)		
			ACGIH TLV	OSHA PEL	Other (specify)
D-LIMONENE	5989-27-5	> 45			
SURFACTANT	9016-45-9	< 10	"	"	
DOT CLASS: 3					
UN/NA NUMBER UN2319					

III. PHYSICAL PROPERTIES

Vapor density (air = 1): > 1

Specific gravity: < 1

Solubility in water: INSOLUBLE

Vapor pressure, mm Hg at 20 °C: 2

Appearance and odor: CLEAR LIQUID WITH ORANGE FRAGRANCE

Melting point or range, °F: N/A

Boiling point or range, °F: > 300 °F

Evaporation rate (butyl acetate = 1): < 1

IV. FIRE AND EXPLOSION

Flash Point, °F (give method) 113°F -130°F (45°C-54.4°C)

Auto ignition temperature, °F 459°F (237°C)

Flammable limits in air, volume %:

lower (LEL) 0.7

upper (UEL) 6.1

Fire extinguishing materials: USE MEDIA FOR CLASS B FIRES

water spray

carbon dioxide

other:

foam

dry chemical

Special firefighting procedures: AVOID DIRECT CONTACT WITH WATER.

Unusual fire and explosion hazards: DENSE BLACK SMOKE PRODUCED

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure.

Inhaled: CAN BE HARMFUL AND IRRITATE THE UPPER RESPIRATORY TRACT.

Contact with skin or eyes: CAN BE IRRITATING TO EYES AND SKIN

Absorbed through skin: PROLONGED CONTACT MAY CAUSE SKIN IRRITATION

Swallowed: CAN BE HARMFUL IF MATERIAL IS ASPIRATED INTO THE LUNGS

FIRST AID: EMERGENCY PROCEDURES

Eye Contact: FLUSH WITH PLENTY OF WATER FOR 15 MINUTES.
IF IRRITATION PERSISTS GET MEDICAL ATTENTION.

Skin Contact: WASH THOROUGHLY WITH SOAP AND WATER.

Inhaled: REMOVE TO FRESH AIR. IF BREATHING IS LABORED, GIVE OXYGEN AND GET MEDICAL ATTENTION.

Swallowed: REQUIRES IMMEDIATE MEDICAL ATTENTION. DRINK WATER-DO NOT INDUCE VOMITING UNLESS DIRECTED BY A PHYSICIAN.

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists below

YES: Federal OSHA NTP IARC

California employers using Cal/OSHA regulated carcinogens must register with Cal/OSHA. The Cal/OSHA and Federal OSHA carcinogen lists are similar

VI. REACTIVITY DATAStability: Stable Unstable

Conditions to avoid: HEAT, SPARKS AND OPEN FLAMES

Incompatibility (materials to avoid): OXIDIZING AGENT, ACIDS, PEROXIDES, HALOGENS, VINYL CHLORIDES, IODINE PENTA FLUORIDE.

Hazardous decomposition products (including combustion products):
NONEHazardous polymerization: May occur Will not occur

Conditions to avoid: AVOID HIGH TEMPERATURE CONTACT WITH REACTIVE MONOMERS.

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

Spill response procedures (include employee protection measures): SOAK UP LIQUID WITH INERT ABSORBING MATERIAL (SAND OR EARTH) AND CONTAIN.

Preparing wastes for disposal (container types, neutralization, etc.): DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and engineering controls GOOD GENERAL VENTILATION

Respiratory protection (type) NONE REQUIRED

Eye protection (type) SAFETY GLASSES OR GOGGLES

Gloves (specify material) RUBBER OR PLASTIC

Other clothing and equipment EYE BATH, SAFETY SHOWER

Work practices, hygienic practices AVOID UNNECESSARY PERSONAL CONTACT. WASH HANDS THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

Other handling and storage requirements KEEP AWAY FROM HEAT, SPARKS AND FLAMES. STORE IN COOL, DRY PLACE - VENT CONTAINER FREQUENTLY IF NOT USED REGULARLY.

Protective measures during maintenance of contaminated equipment