

S A F E T Y D A T A S H E E T

DP 77 INDUSTRIAL SPRAY ADHESIVE

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===== SECTION I – PRODUCT AND COMPANY IDENTIFICATION =====

PRODUCT NAME: INDUSTRIAL SPRAY ADHESIVE
 PRODUCT CODE: DP 77
 PRODUCT ID: 33243

MANUFACTURERS' NAME: DESIGN POLYMERICS

ADDRESS: 3301 W. Segerstrom Ave.
 Santa Ana, CA 92704

EMERGENCY PHONE: (800) 255-3924
 BUSINESS HOURS: 7:30am – 4:30pm PT
 CONTRACT NUMBER: MIS0005056
 REVISION DATE: June 29, 2014
 INFORMATION PHONE: (714) 432-0600
 REVISION #: 6.0
 PREPARED BY: Technical Dept. Supersedes all previous

===== SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION =====

Physical Hazard Classification: Flammable Aerosols, Category 1 **DANGER**



Physical Hazard Precautionary Statements:

Extremely flammable aerosol.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Do not spray on an open flame or other ignition source.
 Do not pierce or burn, even after use.
 Protect from sunlight.
 Do not expose to temperatures exceeding 50 °C/122°F.

Health Hazard Classification(s):

Acute Toxicity - Oral - Level 4	Warning
Acute Toxicity - Dermal - Level 5	Warning
Acute Toxicity - Inhalation - Level 5	Warning
Skin Corrosion/Irritation -Level 3	Warning
Eye Damage/Irritation -Level 2B	Warning
Aspiration Hazard - Level 2	Warning



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===== SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS =====

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	CAS #	% Range		PEL	TLV
HYDROCARBON PROPELLANT	68476-86-8	10%	20%	NO DATA	NO DATA
ALIPHATIC HYDROCARBON*	110-54-3	15%	30%	500 PPM	50 PPM
STYRENE ISOPRENE BLOCK	025038-32-8	5%	15%	NOT HAZARDOUS UNDER	NOT HAZARDOUS UNDER
ACETONE*	67-64-1	15%	30%	TWA 1000 PPM	TWA 750 PPM, STEL 1000 PPM
METHYL ACETATE	79-20-9	3%	10%	200 PPM	200 PPM
PETROLEUM HYDROCARBON RESIN	68527-25-3	5%	15%	NOT ESTABLISHED	NOT ESTABLISHED
ROSIN ESTER	PROPRIETARY	3%	10%	NOT DETERMINED	NOT DETERMINED

Specific chemical identity and exact percentages are withheld as trade secret.

===== SECTION IV – FIRST AID MEASURES =====

Wash hands and exposed areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor/physician if you feel unwell.

Do NOT induce vomiting.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local regulations.

GENERAL: This material is an aspiration hazard and defats the skin. Breathing vapors of high concentrations may cause CNS depression.

EYE CONTACT: Slightly irritating but does not injure eye tissue.

SKIN CONTACT: Low order of toxicity. Frequent or prolonged contact may irritate and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

INHALATION: High vapor/aerosol concentrations (greater than approximately 100 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

INGESTION: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly minimal toxicity.

FIRST AID

EYE CONTACT: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT: Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.

INHALATION: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention

INGESTION: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

PRECAUTIONS

SPECIAL PRECAUTIONS: Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

PERSONAL PROTECTION: For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Where concentrations in air may exceed the limits, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

VENTILATION: The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

===== SECTION V - FIRE-FIGHTING MEASURES =====

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IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

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Call a POISON CENTER/doctor/physician if you feel unwell.

Do NOT induce vomiting.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local regulations.

FIRE AND EXPLOSION HAZARDS: This product releases Flammable Vapors at well below ambient temperatures and readily forms flammable mixtures with air exposed to an ignition source. It will burn in the open or be explosive in confined spaces. Its vapors are heavier than air and may travel long distances to a point of ignition, and then flash back. Alkaline/chlorine gas mixtures have produced explosions.

EXTINGUISHING MEDIA: Dry Chemical. CO₂. Halogenated Extinguishing Agent. Stop Gas Flow.

SPECIAL FIREFIGHTING PROCEDURES: Gas fires should not be extinguished unless the gas flow can be stopped immediately. Allow the fire to burn itself out. If the source cannot be shut off immediately, all equipment and surfaces exposed to the fire should be cooled with water to prevent overheating flash-backs, or explosions. Control fire until gas supply can be shut off. Use proper protective equipment. Use fresh air respirator when exposure to hazardous concentrations of toxic gases is possible.

FIRE FIGHTING: Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical, or water spray to extinguish fire. Avoid spraying water directly into storage containers due to danger of boiling over. This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

===== **SECTION VI – ACCIDENTAL RELEASE MEASURES** =====

STEPS TO BE TAKEN IN CASE CONTAINER IS PUNCTURED AND MATERIAL IS RELEASED:

Clean up area by mopping or with absorbent materials and place in closed container for disposal. Consult Federal, State, and local disposal authorities.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities

for approved procedures.

===== **SECTION VII – HANDLING AND STORAGE** =====

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IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor/physician if you feel unwell.

Do NOT induce vomiting.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Store locked up.

Dispose of contents/container in accordance with local regulations.

VENTILATION REQUIREMENT: Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.

RESPIRATORY PROTECTION: Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.

EYES: Face shield and goggles or chemical goggles should be worn.

GLOVES: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.

OTHER CLOTHING EQUIPMENT: Standard work clothing. Standard work shoes; discard if shoes cannot be decontaminated. Store contaminated clothing in well ventilated cabinets or closed containers. Wash contaminated clothing and dry before reuse.

RESPIRATORY PROTECTION: In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

===== **SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION** =====

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IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

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VENTILATION REQUIREMENT: Use adequate level exhaust ventilation. Note: Where carbon monoxide may be generated, special ventilation may be required. Local exhaust recommended when appropriate to control employee exposure.

RESPIRATORY PROTECTION: Based on contamination level and working limits of the respirator, use a respirator approved by NIOSH/MSHA.

EYES: Face shield and goggles or chemical goggles should be worn.

GLOVES: Impervious gloves should be worn. Gloves contaminated with the product should be discarded. Polyfluorinated polyethylene has been suggested.

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RESPIRATORY PROTECTION: In situations where vapor concentrations exceed the recommended exposure limits, a NIOSH approved organic vapor cartridge or air-supplying respirator should be worn.

===== SECTION IX - PRODUCT PROPERTIES =====

Flash Point (CCP): Level 3 Aerosol, Propellant: -132 degree F.
 Boiling Point for Product: -44 to 302 F
 Vapor Pressure for Product: 50 PSIG @75F
 Vapor Density for Product: Heavier than air
 Specific Gravity: 0.801
 V.O.C.: <55%, WEB SPRAY ADHESIVE
 Water Solubility: Slight
 Appearance: Grayish Liquid
 PH: N/D
 VOC-Web Spray Adhesive: CARB <55%

===== SECTION X – STABILITY AND REACTIVITY DATA =====

STABILITY: Stable
 CONDITIONS TO AVOID: Temperatures above 130 degree F.
 HAZARDOUS POLYMERIZATION: Will not occur
 MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Strong oxidizing agents
 HAZARDOUS DECOMPOSITION PRODUCTS: None

===== SECTION XI – TOXICOLOGICAL INFORMATION =====

ALIPHATIC HYDROCARBON * 110-54-3
Acute oral toxicity: LD 50 Rat: 2,500 mg/kg
Acute inhalation toxicity: LC 50 Rat: 48,000 ppm, 4 hours
Acute dermal toxicity: LD 50 Rabbit: > 1.3 g/kg

ACETONE * 67-64-1
Acute oral toxicity: LD 50 Rat: 5,800 mg/kg
Acute inhalation toxicity: LC 50 Rat: > 16,000 ppm, 4 h
Acute dermal toxicity: LD 50 Rabbit: > 20,000 mg/kg

METHYL ACETATE 79-20-9
ACUTE ORAL: (LD50): 5001 mg/kg [Rat]
ACUTE DERMAL: (LD50): 5001 mg/kg [Rabbit]

===== SECTION XII – ECOLOGICAL INFORMATION =====

ACETONE * 67-64-1
Acute and Prolonged Toxicity to Fish
 96 h LC 50 Fathead minnow (*Pimephales promelas*), : 8,733 - 9,482 mg/l Mortality
 96 h LC 50 Bluegill (*Lepomis macrochirus*), : 8,300 mg/l Mortality
 96 h LC 50 Rainbow trout, donaldson trout (*Oncorhynchus mykiss*), : 4,740 - 6,330 mg/l Mortality

Acute Toxicity to Aquatic Invertebrates

No data

Environmental fate and pathways

No data

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*". Additional ecological information is Not Determined.

===== SECTION XIII – DISPOSAL CONSIDERATIONS =====

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 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Call a POISON CENTER/doctor/physician if you feel unwell.
 Do NOT induce vomiting.
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Store locked up.
 Dispose of contents/container in accordance with local regulations.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers cannot be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

===== **SECTION XIV – TRANSPORT INFORMATION** =====

DOT Proper Shipping Name: UN1950
 Aerosols, flammable, (each not exceeding 1Lcapacity) 2.1, LIMITED QUANTITY

===== **SECTION XV –REGULATORY INFORMATION** =====

	CAS#	PEL	TLV
HYDROCARBON PROPELLANT	68476-86-8	NO DATA	NO DATA
ALIPHATIC HYDROCARBON *	110-54-3	500 PPM	50 PPM
STYRENE-ISOPRENE BLOCK	025038-32-8	NOT HAZARDOUS UNDER	NOT HAZARDOUS UNDER
ACETONE *	67-64-1	TWA 1000 PPM	TWA 750 PPM STEL 1000 PPM
METHYL ACETATE	79-20-9	200 PPM	200 PPM
PETROLEUM HYDROCARBON RESIN	68527-25-3	NOT ESTABLISHED	NOT ESTABLISHED
ROSIN ESTER	PROPRIETARY	NOT DETERMINED	NOT DETERMINED

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified above with an "*"

===== **SECTION XVI –OTHER INFORMATION** =====

MSDS Creation Date: June 29, 2015
 MSDS Revision Date: June 29, 2015
 MSDS Revision Notes: 16 section SDS
 MSDS Author: Technical Department

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