

Safety Data Sheet

acc. to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

Printing date: January 24, 2019

Revision: January 24, 2019

1 Identification

- **Product identifier**
- **Trade name:** **PORTABLE ADHESIVE CANISTER - BLACK (NPAB40, NPAB187)**
PORTABLE ADHESIVE CANISTER - CLEAR (NPAC40)
- **Product code:** #5116 (NPAB40), #5117 (NPAC40), #5118 (NPAB187)
- **Recommended use and restriction on use**
- **Recommended use:** Adhesives
- **Restrictions on use:** No relevant information available.
- **Details of the supplier of the Safety Data Sheet**
- **Manufacturer/Supplier:**
DURO DYNE CORPORATION
81 Spence Street
Bay Shore, NY 11706
800-899-3876
- **Emergency telephone number:**
ChemTel Inc.
(800)255-3924 (North America)
+1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
Flam. Aerosol 1 H222 Extremely flammable aerosol.
Press. Gas H280 Contains gas under pressure; may explode if heated.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**

GHS02 GHS04 GHS07 GHS08
- **Signal word:** Danger
- **Hazard statements:**
H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements:**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.

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P261	Avoid breathing mist, vapors, or spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P331	Do NOT induce vomiting.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a poison center/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

79-20-9	Methyl acetate	40-55%
	⚠ Flam. Liq. 2, H225	
	⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	
109-66-0	pentane	5-10%
	⚠ Flam. Liq. 2, H225	
	⚠ Asp. Tox. 1, H304	
	⚠ STOT SE 3, H336	
68476-86-8	Petroleum gases, liquified, sweetened	0-5%
	⚠ Flam. Gas 1, H220	
	⚠ Press. Gas, H280	

· **Additional information:**

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.
Seek medical treatment in case of complaints.

· **After eye contact:**

Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. Then consult a doctor.

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- **After swallowing:**
 - Unlikely route of exposure.
 - Rinse out mouth and then drink plenty of water.
 - Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:**
 - Dizziness
 - Coughing
 - Causes eye irritation.
 - Disorientation
- **Danger:**
 - May be fatal if swallowed and enters airways.
 - Danger of impaired breathing.
- **Indication of any immediate medical attention and special treatment needed:**
 - Medical supervision for at least 48 hours.
 - If necessary oxygen respiration treatment.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 - Gaseous extinguishing agents
 - Carbon dioxide
 - Water fog / haze
 - Water spray
 - Fire-extinguishing powder
 - Alcohol resistant foam
- **For safety reasons unsuitable extinguishing agents:** Water stream.
- **Special hazards arising from the substance or mixture**
 - Extremely flammable aerosol.
 - Danger of receptacles bursting because of high vapor pressure if heated.
- **Advice for firefighters**
- **Protective equipment:**
 - Wear self-contained respiratory protective device.
 - Wear fully protective suit.
- **Additional information:**
 - Eliminate all ignition sources if safe to do so.
 - Use large quantities of foam as it is partially destroyed by the product.
 - Cool endangered product with water spray.
 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Wear protective equipment. Keep unprotected persons away.
 - Ensure adequate ventilation.
 - Keep away from ignition sources.
 - Use respiratory protective device against the effects of fumes/dust/aerosol.

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Protect from heat.

· Environmental precautions

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Inform respective authorities in case of seepage into water course or sewage system.

· Methods and material for containment and cleaning up

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).

Send for recovery or disposal in suitable receptacles.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· Handling**· Precautions for safe handling:**

Use only in well ventilated areas.

Keep away from heat and direct sunlight.

· Information about protection against explosions and fires:

Danger of receptacles bursting because of high vapor pressure if heated.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Do not spray on a naked flame or any incandescent material.

Emergency cooling must be available in case of nearby fire.

Flammable gas-air mixtures may be formed in empty containers/receptacles.

· Conditions for safe storage, including any incompatibilities**· Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

· Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizing agents.

· Further information about storage conditions:

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

· Specific end use(s) No relevant information available.

8 Exposure controls/personal protection

· Control parameters**· Components with limit values that require monitoring at the workplace:****79-20-9 Methyl acetate**PEL (USA) Long-term value: 610 mg/m³, 200 ppmREL (USA) Short-term value: 760 mg/m³, 250 ppmLong-term value: 610 mg/m³, 200 ppm

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TLV (USA)	Short-term value: 757 mg/m ³ , 250 ppm Long-term value: 606 mg/m ³ , 200 ppm
EL (Canada)	Short-term value: 250 ppm Long-term value: 200 ppm
EV (Canada)	Short-term value: 755 mg/m ³ , 250 ppm Long-term value: 605 mg/m ³ , 200 ppm
LMPE (Mexico)	Short-term value: 250 ppm Long-term value: 200 ppm
109-66-0 pentane	
PEL (USA)	Long-term value: 2950 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 350 mg/m ³ , 120 ppm Ceiling limit value: 1800* mg/m ³ , 610* ppm *15-min
TLV (USA)	Long-term value: 2950 mg/m ³ , 1000 ppm
EL (Canada)	Long-term value: 1000 ppm
EV (Canada)	Short-term value: 2,210 mg/m ³ , 750 ppm Long-term value: 1,770 mg/m ³ , 600 ppm
LMPE (Mexico)	Long-term value: 600 ppm

Exposure controls

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid breathing mist, vapors, or spray.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

· **Engineering controls:** Provide adequate ventilation.

· **Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Gloves should provide protection from freezing temperatures.

· **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

No relevant information available.

· **Risk management measures** No relevant information available.

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9 Physical and chemical properties

· Information on basic physical and chemical properties

· Appearance:

Form: Aerosolized liquid with compressed gas in cylinders

Color: According to product specification

· Odor: Solvent-like

· Odor threshold: Not determined.

· pH-value: Not determined.

· Melting point/Melting range: Not applicable, as aerosol.

· Boiling point/Boiling range: Not applicable, as aerosol.

· Flash point: -18 °C (-0.4 °F)

· Flammability (solid, gaseous): Not applicable.

· Auto-ignition temperature: Not determined.

· Decomposition temperature: Not determined.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits

Lower: 1.3 Vol %

Upper: 8 Vol %

· Oxidizing properties: Not determined.

· Vapor pressure: Not determined.

· Density:

Relative density: 0.90-0.93

Vapor density: Not determined.

Evaporation rate: Not applicable.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity

Dynamic: Not determined.

Kinematic: Not determined.

· VOC content: <80 g/l

· Other information: No relevant information available.

10 Stability and reactivity

· **Reactivity:** No relevant information available.

· **Chemical stability:** Stable under normal temperatures and pressures.

· **Thermal decomposition / conditions to be avoided:**

Danger of receptacles bursting because of high vapor pressure if heated.

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- **Possibility of hazardous reactions**

Reacts violently with oxidizing agents.
Develops readily flammable gases / fumes.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
Extremely flammable aerosol.
Toxic fumes may be released if heated above the decomposition point.

- **Conditions to avoid** Excessive heat.

- **Incompatible materials** Oxidizers

- **Hazardous decomposition products**

Under fire conditions only:
Carbon monoxide and carbon dioxide
Hydrocarbons

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

79-20-9 Methyl acetate

Oral	LD50	3705 mg/kg (rabbit)
------	------	---------------------

- **Primary irritant effect:**

- **On the skin:** Based on available data, the classification criteria are not met.

- **On the eye:** Causes eye irritation.

- **Sensitization:** Based on available data, the classification criteria are not met.

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**

Inhalation.
Eye contact.
Skin contact.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:** Based on available data, the classification criteria are not met.

- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

- **STOT-single exposure:** May cause drowsiness or dizziness.

- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

- **Aspiration hazard:** May be fatal if swallowed and enters airways.

12 Ecological information

- **Toxicity**

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- **Aquatic toxicity** Harmful to aquatic life with long lasting effects.
- **Persistence and degradability** No relevant information available.
- **Bioaccumulative potential:** No relevant information available.
- **Mobility in soil:** No relevant information available.
- **Additional ecological information**
- **General notes:**
Avoid release to the environment.
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Contact waste processors for recycling information.
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---|--|
| · UN-Number | |
| · DOT, ADR/RID/ADN, IMDG, IATA | UN3501 |
| · UN proper shipping name | |
| · DOT, IATA | Chemical under pressure, flammable, n.o.s. (Methyl acetate, Pentane) |
| · ADR/RID/ADN, IMDG | CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (METHYL ACETATE, PENTANE) |
| · Transport hazard class(es) | |
| · DOT | |
|  | |
| · Class | 2.1 |
| · Label | 2.1 |

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· ADR/RID/ADN



· Class 2 8F
· Label 2.1

· IMDG, IATA



· Class 2.1
· Label 2.1

· Packing group This UN-number is not assigned a packing group.

· Environmental hazards

· Marine pollutant: No

· Special precautions for user Warning: Gases

· Danger code (Kemler): -

· EMS Number: F-D,S-U

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· IATA



Cargo Aircraft Only.

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

· United States (USA)

· SARA

· Section 302 (extremely hazardous substances):

None of the ingredients are listed.

· Section 355 (extremely hazardous substances):

None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

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· TSCA (Toxic Substances Control Act)

All ingredients are listed.

· Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

109-66-0 | pentane

10000

· Proposition 65 (California)**· Chemicals known to cause cancer:**

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

· EPA (Environmental Protection Agency):

None of the ingredients are listed.

· IARC (International Agency for Research on Cancer):

None of the ingredients are listed.

· Canadian Domestic Substances List (DSL) (Substances not listed.):

All ingredients are listed.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bio-accumulable, Toxic

vPvB: very Persistent and very Bioaccumulative

OSHA: Occupational Safety & Health Administration

Flam. Gas 1: Flammable gases – Category 1

Flam. Aerosol 1: Aerosols – Category 1

Press. Gas: Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

· Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)

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Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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