

# Safety Data Sheet: DEPLOY AEROSOL, 1/2 DZ, NAC NC

Supersedes Date 12/28/2010

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** DEPLOY AEROSOL, 1/2 DZ, NAC NC  
**Recommended use** Lubricant  
**Information on Manufacturer**  
NATIONAL CHEMSEARCH  
245 ORENDA RD  
BRAMPTON ONT L6T 1E7

**Product Code** 5607  
**Chemical nature** Petroleum distillates mixture  
**Emergency Telephone Number**  
CHEMTREC® 800-424-9300  
**Telephone inquiry**  
972-579-2477

## 2. HAZARD IDENTIFICATION

**Color** Off-white

**Physical State** Liquid

**Odor** Petroleum distillates

### GHS

#### Classification

##### Physical Hazards

Flammable aerosols  
Gases under pressure

Category 1  
Compressed Gas

##### Health Hazard

Aspiration Toxicity  
Acute Oral Toxicity  
Acute Inhalation Toxicity - Gas  
Skin Corrosion/Irritation  
Serious Eye Damage/Eye Irritation  
Reproductive Toxicity  
Specific target organ systemic toxicity (single exposure)  
Specific target organ systemic toxicity (repeated exposure)

Category 1  
Category 4  
Category 3  
Category 2  
Category 2  
Category 2  
Category 3  
Category 2

##### Other hazards

None

### Labeling

#### Signal Word

**DANGER**



#### Hazard Statements

H222 - Extremely flammable aerosol  
H331 - Toxic if inhaled  
H336 - May cause drowsiness or dizziness  
H315 - Causes skin irritation  
H320 - Causes eye irritation  
H302 - Harmful if swallowed  
H304 - May be fatal if swallowed and enters airways  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure  
H280 - Contains gas under pressure; may explode if heated

#### Precautionary Statements

P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, sparks, open flames or hot surfaces.  
P251 - Pressurized container: Do not pierce or burn, even after use  
P260 - Do not breathe gas, vapor or mist.  
P271 - Use in a well-ventilated area.  
P280 - Wear protective gloves, protective clothing and eye protection.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P342 - If experiencing respiratory symptoms  
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs, get medical attention.  
P362 - Take off contaminated clothing and wash before reuse  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 - If eye irritation persists, get medical attention.  
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.  
P403 - Store in a well-ventilated place  
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F  
P501 - Dispose of contents and container in accordance with applicable regulations.

2 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Methyl acetate	79-20-9	30-60
Hexane	110-54-3	5-10
Propane	74-98-6	7-13
Petrolatum	8009-03-8	7-13
Butane	106-97-8	3-7
3-methylpentane	96-14-0	1-5
Methylcyclopentane	96-37-7	1-5
2-Methylpentane	107-83-5	1-5

### 4. FIRST AID MEASURES

<b>General advice</b>	Avoid breathing vapors, mist, or gas. Avoid contact with skin, eyes and clothing.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>Ingestion</b>	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. Rinse mouth.
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flash Point</b>	75 °F / 24 °C	<b>Method</b>	Seta closed cup
<b>Flammability Limits in Air % Solvent mixture.</b>		<b>Upper</b> 16	<b>Lower</b> 1.05
<b>Suitable Extinguishing Media</b>	Foam. Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
<b>Specific hazards arising from the chemical</b>	Extremely flammable. Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Flame extension: >18 inches / >46 cm and Burnback: 2 inch / 5 cm. Material can create slippery conditions.		
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.		
<b>Aerosol Level (NFPA 30B) -</b>	3		
<b>NFPA</b>	<b>Health</b> 2	<b>Flammability</b> 4	<b>Instability</b> 0
<b>HMIS</b>	<b>Health</b> 2	<b>Flammability</b> 4	<b>Instability</b> 0

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
<b>Methods for Containment</b>	Do not flush into surface water or sanitary sewer system. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
<b>Methods for Cleaning Up</b>	Use clean non-sparking tools to collect absorbed material. Pick up and transfer to properly labeled containers.
<b>Neutralizing Agent</b>	Not applicable.

### 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from open flames, hot surfaces and sources of ignition. Avoid breathing vapors, mist or gas. Avoid contact with skin, eyes and clothing.			
<b>Storage</b>	Keep away from heat and sources of ignition. Store in original container. Keep in a dry, cool and well-ventilated place.			
<b>Storage Temperature</b>	<b>Minimum</b>	35 °F / 2 °C	<b>Maximum</b>	120 °F / 49 °C
<b>Storage Conditions</b>	<b>Indoor</b>	X	<b>Outdoor</b>	<b>Heated</b> <b>Refrigerated</b>

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

Component	ACGIH TLV	OSHA PEL	NIOSH
Methyl acetate	TWA: 200 ppm STEL: 250 ppm	TWA: 200 ppm TWA: 610 mg/m <sup>3</sup>	IDLH: 3100 ppm STEL 250 ppm STEL 760 mg/m <sup>3</sup> TWA: 200 ppm TWA: 610 mg/m <sup>3</sup>
Hexane	TWA: 50 ppm Skin	TWA: 500 ppm TWA: 1800 mg/m <sup>3</sup>	IDLH: 1100 ppm TWA: 50 ppm TWA: 180 mg/m <sup>3</sup>
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Petrolatum	5 mg/m <sup>3</sup> as oil mist	10 mg/m <sup>3</sup> as oil mist	No data available
Butane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
3-methylpentane	No data available	No data available	No data available
Methylcyclopentane	No data available	No data available	No data available
2-Methylpentane	No data available	No data available	No data available

**Engineering Measures**

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Personal Protective Equipment****Eye/Face Protection**

Safety glasses with side-shields.

**Skin Protection**

Wear suitable protective clothing, Impervious gloves.

**Respiratory Protection**

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General Hygiene Considerations**

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Liquid	<b>Viscosity</b>	Non viscous
<b>Color</b>	Off-white	<b>Odor</b>	Petroleum distillates
<b>Odor Threshold</b>	Not applicable	<b>Appearance</b>	Cloudy
<b>pH</b>	Not applicable	<b>Specific Gravity</b>	0.731
<b>Evaporation Rate</b>	53.25 (Butyl acetate=1)	<b>Percent Volatile (Volume)</b>	90.6
<b>VOC Content (%)</b>	48.5	<b>VOC Content (g/L)</b>	355
<b>Vapor Pressure</b>	1891 mmHg @ 70°F	<b>Vapor Density</b>	1.7 (Air = 1.0)
<b>Solubility</b>	Negligible	<b>n-Octanol/Water Partition</b>	No data available
<b>Melting Point/Range</b>	No data available	<b>Decomposition Temperature</b>	No data available
<b>Boiling Point/Range</b>	134 °F / 57 °C	<b>Flammability (solid, gas)</b>	No data available
<b>Flash Point</b>	75 °F / 24 °C	<b>Method</b>	Seta closed cup
<b>Autoignition Temperature</b>	No information available.		
<b>Flammability Limits in Air %</b>	Solvent mixture.	<b>Upper 16 Lower 1.05</b>	

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable. Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Heat, flames, and sparks
<b>Incompatible Products</b>	Strong oxidizing agents, Reducing agents, Strong acids, Strong bases, Molten alkali metals.
<b>Hazardous Decomposition Products</b>	Carbon oxides, Hydrogen fluoride.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION****Product Information**

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<b>Oral LD50</b>	No information available
<b>Dermal LD50</b>	No information available
<b>Inhalation LC50</b>	
<b>Gas</b>	No information available
<b>Mist</b>	No information available
<b>Vapor</b>	No information available

**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.

<b>Primary Routes of Entry</b>	Inhalation, Skin Absorption.
<b>Acute Effects</b>	
<b>Eyes</b>	Causes eye irritation.
<b>Skin</b>	Causes skin irritation. May be absorbed through the skin in harmful amounts.
<b>Inhalation</b>	May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Chronic Toxicity</b>	Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Prolonged or repeated inhalation may cause damage to the lungs. Prolonged skin contact may defat the skin and produce dermatitis. Suspect reproductive hazard - contains material which may injure unborn child. Kidney injury may occur.
<b>Target Organ Effects</b>	Respiratory system, Central nervous system, Peripheral Nervous System (PNS), Ears, Skin, Eyes, Kidney, Heart.
<b>Aggravated Medical Conditions</b>	Respiratory disorders, Skin disorders, Neurological disorders, Kidney disorders, Heart disease.

## Component Information

## Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Methyl acetate	> 5000 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	= 16000 ppm ( Rat ) 4 h	no data available	no data available
Hexane	no data available	= 3000 mg/kg ( Rabbit )	= 48000 ppm ( Rat ) 4 h	no data available	no data available
Propane	no data available	no data available	= 658 mg/L ( Rat ) 4 h	no data available	no data available
Petrolatum	no data available	= 3600 mg/kg ( Rabbit )	no data available	no data available	no data available
Butane	no data available	no data available	= 658 g/m <sup>3</sup> ( Rat ) 4 h	no data available	no data available
3-methylpentane	no data available	no data available	no data available	no data available	no data available
Methylcyclopentane	no data available	no data available	no data available	no data available	no data available
2-Methylpentane	no data available	no data available	no data available	no data available	no data available

## Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Methyl acetate	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin
Hexane	no data available	no data available	no data available	yes	eyes, CNS, respiratory system, auditory system, skin, PNS, heart
Propane	no data available	no data available	no data available	no data available	CNS, heart
Petrolatum	no data available	no data available	no data available	no data available	no data available
Butane	no data available	no data available	no data available	no data available	CNS, heart
3-methylpentane	no data available	no data available	no data available	no data available	no data available
Methylcyclopentane	no data available	no data available	no data available	no data available	no data available
2-Methylpentane	no data available	no data available	no data available	no data available	no data available

## Carcinogenicity

There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Methyl acetate	not applicable	not applicable	not applicable	not applicable	not applicable
Hexane	not applicable	not applicable	not applicable	not applicable	not applicable
Propane	not applicable	not applicable	not applicable	not applicable	not applicable
Petrolatum	not applicable	not applicable	not applicable	not applicable	not applicable
Butane	not applicable	not applicable	not applicable	not applicable	not applicable
3-methylpentane	not applicable	not applicable	not applicable	not applicable	not applicable
Methylcyclopentane	not applicable	not applicable	not applicable	not applicable	not applicable
2-Methylpentane	not applicable	not applicable	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

## Product Information

No information available.

## Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Methyl acetate	EC50 > 120 mg/L Desmodesmus subspicatus 72 h	LC50 295 - 348 mg/L Pimephales promelas 96 h LC50 250 - 350 mg/L Brachydanio rerio 96 h	EC50 = 6000 mg/L 16 h EC50 = 6100 mg/L 30 min	EC50= 1026.7 mg/L 48 h	0.18
Hexane	no data available	LC50 2.1 - 2.98 mg/L Pimephales promelas 96 h	no data available	EC50> 1000 mg/L 24 h	N/A
Propane	no data available	no data available	no data available	no data available	2.3
Petrolatum	no data available	no data available	no data available	no data available	N/A
Butane	no data available	no data available	no data available	no data available	2.89
3-methylpentane	no data available	no data available	no data available	no data available	N/A
Methylcyclopentane	no data available	no data available	no data available	no data available	N/A
2-Methylpentane	no data available	no data available	no data available	no data available	N/A

**Persistence and Degradability** No information available.  
**Bioaccumulation** No information available.  
**Mobility** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Product Disposal** Dispose of in accordance with local regulations.  
**Container Disposal** Contents under pressure. Do not puncture. Empty remaining contents. Empty containers should be taken for local recycling, recovery, or waste disposal.

### 14. TRANSPORT INFORMATION

**DOT**  
**Proper Shipping Name** Consumer Commodity  
**Hazard Class** ORM-D  
**Description** Consumer Commodity, ORM-D

**TDG**  
**Hazard Class** ORM-D

**ICAO**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.1  
**Shipping Description** UN1950, AEROSOLS, 2.1, LTD QTY

**IATA**  
**UN-No** UN1950  
**Proper Shipping Name** Aerosols, flammable  
**Hazard Class** 2.1  
**ERG Code** 10L  
**Shipping Description** UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD QTY

**IMDG/IMO**  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2  
**UN-No** UN1950  
**EmS No.** F-D, S-U  
**Shipping Description** UN1950, AEROSOLS, FLAMMABLE, 2.1, (15°C c.c.), LTD QTY

### 15. REGULATORY INFORMATION

**Inventories**

**TSCA** Complies  
**DSL** Complies

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Hexane	110-54-3	5-10	1.0

**SARA 311/312 Hazardous Categorization**

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	Yes	No

**CERCLA**

Component	Hazardous Substances RQs	CERCLA EHS RQs
Methyl acetate	Not applicable	Not applicable
Hexane	5000 lb	Not applicable
Propane	Not applicable	Not applicable
Petrolatum	Not applicable	Not applicable
Butane	Not applicable	Not applicable
3-methylpentane	Not applicable	Not applicable
Methylcyclopentane	Not applicable	Not applicable
2-Methylpentane	Not applicable	Not applicable

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**16. OTHER INFORMATION**

<b>Prepared By</b>	Devon Kebodeaux
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<b>Glossary</b>	No information available.
<b>List of References.</b>	No information available.

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