



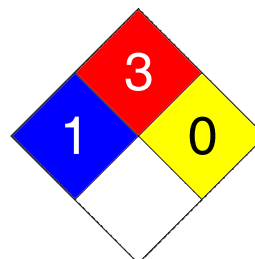
MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Dynamic Acetone
Synonym(s) AA261100
AA261200
AA261300
CAS # Mixture
Product Use Solvent Cleaner and Degreaser
Manufacturer Dynamic Paint Products Inc.
7040 Financial Drive
Mississauga, ON L5N 7H5 CA
Phone: 1-905-812-9319
Emergency Phone: 1-613-996-6666 (CANUTEC)

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	3
Physical Hazard	0
Personal Protection	B



2. Hazards Identification

Emergency Overview DANGER
Flammable liquid - may release vapours that form flammable mixtures at or above the flash point. Containers may explode when heated.
Avoid contact with eyes.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

Eyes Causes irritation.

Skin May cause irritation. May be absorbed through the skin.

Inhalation Harmful if inhaled. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion Harmful if swallowed. May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

Target organs Eyes. Respiratory system. Skin. Kidney. Liver.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Acetone	67-64-1	60 - 100

4. First Aid Measures

First aid procedures

Eye contact Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops or persists.

Skin contact Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion

Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention.

Notes to physician

Symptoms may be delayed.

General advice

Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes. Keep out of reach of children.

5. Fire-fighting Measures

Flammable properties

Flammable by WHMIS criteria. Vapours may travel to a source of ignition and flash back. Containers may explode when heated.

Extinguishing media

Suitable extinguishing media Carbon dioxide. Alcohol foam. Dry chemical.

Unsuitable extinguishing media Not available

Protection of firefighters

Specific hazards arising from the chemical Not available

Protective equipment for firefighters Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of carbon.

Explosion data

Sensitivity to mechanical impact Not available

Sensitivity to static discharge Not available

6. Accidental Release Measures

Personal precautions

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

7. Handling and Storage

Handling

Use good industrial hygiene practices in handling this material.

Storage

Keep out of reach of children. Keep away from heat, open flames or other sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure Controls / Personal Protection

Exposure limit values**Ingredient(s)****Exposure limit values**

Acetone

ACGIH-TLV

TWA: 500 ppm

STEL: 750 ppm

Engineering controls

Use only under good ventilation conditions or with respiratory protection.

Personal protective equipment

Eye/Face protection Wear safety glasses with side shields.

Hand protection Rubber gloves. Confirm with a reputable supplier first.

Skin and body protection As required by employer code.

Respiratory protection Avoid breathing mists or vapours. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance	Clear.
Colour	Colourless
Form	Liquid
Odour	Strong solvent
Odour threshold	40 ppm
Physical state	Liquid
pH	7
Freezing point	-94.6 °C (-138.28 °F)
Boiling point	56.5 °C (133.70 °F)
Pour point	Not available
Flash point	-18 °C (-0.40 °F) TCC
Evaporation Rate	11.6 (BuAc = 1)
Flammability limits in air, lower, % by volume	2.6
Flammability Limits in Air, Upper, % by Volume	12.8
Vapour pressure	181 mmHg
Vapour density	2 (Air = 1)
Specific gravity	0.79 (H ₂ O = 1)
Octanol/water coefficient	Not available
Solubility (H₂O)	Complete
Auto-ignition temperature	465 °C (869.00 °F)
Viscosity	Water thin
Percent volatile	100 (Wt %)

10. Stability and Reactivity

Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Heat, open flames, static discharge, sparks and other ignition sources. Do not mix with other chemicals.
Incompatible materials	Caustics. Acids. Oxidizers. Reducing agents. Chloroform. Potassium butoxide. Hydrogen peroxide.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon when heated to decomposition.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
Acetone	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Acetone	5800 mg/kg rat; 5340 mg/kg rabbit; 3000 mg/kg mouse; 2857 mg/kg human

Effects of acute exposure

Eye	Causes irritation.
Skin	May cause irritation. May be absorbed through the skin.
Inhalation	Harmful if inhaled. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Ingestion	Harmful if swallowed. May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

Sensitisation	Non-hazardous by WHMIS criteria.	
Chronic effects	Non-hazardous by WHMIS criteria.	
Carcinogenicity	Non-hazardous by WHMIS criteria.	
ACGIH - Threshold Limit Values - Carcinogens		
Acetone	67-64-1	A4 - Not Classifiable as a Human Carcinogen
Mutagenicity	Non-hazardous by WHMIS criteria.	
Reproductive effects	Non-hazardous by WHMIS criteria.	
Teratogenicity	Non-hazardous by WHMIS criteria.	
Synergistic Materials	Not available	

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.	
Ecotoxicity - Freshwater Fish Species Data		
Acetone	67-64-1	96 Hr LC50 <i>Oncorhynchus mykiss</i> : 4.74-6.33 mg/L; 96 Hr LC50 <i>Pimephales promelas</i> : 6210-8120 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 8300 mg/L
Ecotoxicity - Microtox Data		
Acetone	67-64-1	15 min EC50 <i>Photobacterium phosphoreum</i> : 14500 mg/L
Ecotoxicity - Water Flea Data		
Acetone	67-64-1	48 Hr EC50 <i>Daphnia magna</i> : 10294 - 17704 mg/L [Static]; 48 Hr EC50 <i>Daphnia magna</i> : 12600 - 12700 mg/L
Environmental effects	Not available	
Aquatic toxicity	Not available	
Persistence and degradability	Not available	
Bioaccumulation/accumulation	Not available	
Partition coefficient	Not available	
Mobility in environmental media	Not available	
Chemical fate information	Not available	
Other adverse effects	Not available	

13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Review federal, provincial, and local government requirements prior to disposal.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

Transportation of Dangerous Goods (TDG - Canada)

Basic shipping requirements:

Proper shipping name	Acetone
Hazard class	3
UN number	1090
Packing group	II



15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada - WHMIS - Ingredient Disclosure List

Acetone 67-64-1 1 %

WHMIS classification

Class B - Division 2 - Flammable Liquid, Class D - Division 2B

WHMIS status

Controlled

WHMIS labeling



Inventory Status

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Prepared by

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Other Information

For an updated MSDS, please contact the supplier/manufacture listed on the first page of the document.