

NA-600RC

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).
Date of Issue: 04/04/2024 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: NA-600RC

1.2. Intended Use of the Product

Adhesive

1.3. Name, Address, and Telephone of the Responsible Party

Company

Normac Adhesive Products Inc

1350 Heine Court

Burlington, Ontario, L7L 6M4

Canada

Tel: (905) 332-6455

normacadhesives.com

SDS@normacadhesives.com

1.4. Emergency Telephone Number

Emergency Number : VelocityEHS

United States, Canada, Puerto Rico, and the U.S. Virgin Islands: 1-800-255-3924

Outside of the US, Canada, Puerto Rico and the U.S. Virgin Islands: +1-813-248-0585.

Australia: 1-300-954-583, Brazil: 0-800-591-6042, China: 400-120-0751, India: 000-800-100-4086 and

Mexico: 800-099-0731.

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Flammable liquids Category 2 H225

Serious eye damage/eye irritation Category 2A H319

Specific target organ toxicity – Single exposure, Category 3, Narcosis H336

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA)



Signal Word (GHS-US/CA)

: Danger

Hazard Statements (GHS-US/CA)

: H225 - Highly flammable liquid and vapor.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

Precautionary Statements (GHS-US/CA) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical, ventilating, and lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take action to prevent static discharges.

P261 - Avoid breathing vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, and eye protection.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water.

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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 or doctor if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use carbon dioxide (CO₂), extinguishing powder, foam, sand, water to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Acetone	Propan-2-one / 2-Propanone / Dimethyl ketone / Propanone	(CAS-No.) 67-64-1	30 - 60	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Methyl acetate	Acetic acid, methyl ester / Methyl ethanoate	(CAS-No.) 79-20-9	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
tert-Butyl acetate	Acetic acid, 1,1-dimethylethyl ester / Acetic acid, tert-butyl ester / tertiary-Butyl acetate / t-Butyl acetate	(CAS-No.) 540-88-5	10 - 30	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT SE 3, H336 STOT SE 3, H335
Methyl ethyl ketone	Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl acetone / MEK / Butanone	(CAS-No.) 78-93-3	5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

Full text of H-statements: see section 16

*Percentages are listed in weight by weight percentage (w/w%). The actual concentration of ingredient(s) is withheld as a trade secret in accordance with the Hazardous Products Regulations (HPR) SOR/2015-17 and 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Immediately drench affected area with water for at least 15 minutes. Immediately remove contaminated clothing. Obtain medical attention if irritation develops or persists.

Eye Contact: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: May cause drowsiness and dizziness. Causes serious eye irritation.

Inhalation: High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

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Skin Contact: Prolonged exposure may cause skin irritation.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO₂). Dry chemical. Foam. Sand. Water spray, fog.

Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Highly flammable liquid and vapor.

Explosion Hazard: May form flammable or explosive vapor-air mixture.

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂). Nitrogen oxides.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use special care to avoid static electric charges.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Eliminate ignition sources first, then ventilate the area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Use only non-sparking tools. Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable.

Precautions for Safe Handling: Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

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Technical Measures: Comply with applicable regulations. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment.

Storage Conditions: Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Adhesive

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Acetone (67-64-1)		
USA ACGIH	ACGIH OEL TWA	250 ppm
USA ACGIH	ACGIH OEL STEL	500 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI BLV	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL TWA	2400 mg/m ³
USA OSHA	OSHA PEL TWA	1000 ppm
USA NIOSH	NIOSH REL TWA	590 mg/m ³
USA NIOSH	NIOSH REL TWA	250 ppm
USA IDLH	IDLH	2500 ppm (10% LEL)
Alberta	OEL STEL	1800 mg/m ³
Alberta	OEL STEL	750 ppm
Alberta	OEL TWA	1200 mg/m ³
Alberta	OEL TWA	500 ppm
British Columbia	OEL STEL	500 ppm
British Columbia	OEL TWA	250 ppm
Manitoba	OEL STEL	500 ppm
Manitoba	OEL TWA	250 ppm
New Brunswick	OEL STEL	500 ppm
New Brunswick	OEL TWA	250 ppm
Newfoundland & Labrador	OEL STEL	500 ppm
Newfoundland & Labrador	OEL TWA	250 ppm
Nova Scotia	OEL STEL	500 ppm
Nova Scotia	OEL TWA	250 ppm
Nunavut	OEL STEL	750 ppm
Nunavut	OEL TWA	500 ppm
Northwest Territories	OEL STEL	750 ppm
Northwest Territories	OEL TWA	500 ppm
Ontario	OEL STEL	500 ppm
Ontario	OEL TWA	250 ppm
Prince Edward Island	OEL STEL	500 ppm
Prince Edward Island	OEL TWA	250 ppm
Québec	VECD OEL STEV	2380 mg/m ³
Québec	VECD OEL STEV	1000 ppm
Québec	VEMP OEL TWA EV	1190 mg/m ³
Québec	VEMP OEL TWA EV	500 ppm
Saskatchewan	OEL STEL	750 ppm
Saskatchewan	OEL TWA	500 ppm

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Yukon	OEL STEL	3000 mg/m ³
Yukon	OEL STEL	1250 ppm
Yukon	OEL TWA	2400 mg/m ³
Yukon	OEL TWA	1000 ppm
Methyl ethyl ketone (78-93-3)		
USA ACGIH	ACGIH OEL TWA	200 ppm
USA ACGIH	ACGIH OEL STEL	300 ppm
USA ACGIH	BEI BLV	2 mg/l Parameter: MEK - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL TWA	590 mg/m ³
USA OSHA	OSHA PEL TWA	200 ppm
USA NIOSH	NIOSH REL TWA	590 mg/m ³
USA NIOSH	NIOSH REL TWA	200 ppm
USA NIOSH	NIOSH REL STEL	885 mg/m ³
USA NIOSH	NIOSH REL STEL	300 ppm
USA IDLH	IDLH	3000 ppm
Alberta	OEL STEL	885 mg/m ³
Alberta	OEL STEL	300 ppm
Alberta	OEL TWA	590 mg/m ³
Alberta	OEL TWA	200 ppm
British Columbia	OEL STEL	100 ppm
British Columbia	OEL TWA	50 ppm
Manitoba	OEL STEL	300 ppm
Manitoba	OEL TWA	200 ppm
New Brunswick	OEL STEL	300 ppm
New Brunswick	OEL TWA	200 ppm
Newfoundland & Labrador	OEL STEL	300 ppm
Newfoundland & Labrador	OEL TWA	200 ppm
Nova Scotia	OEL STEL	300 ppm
Nova Scotia	OEL TWA	200 ppm
Nunavut	OEL STEL	300 ppm
Nunavut	OEL TWA	200 ppm
Northwest Territories	OEL STEL	300 ppm
Northwest Territories	OEL TWA	200 ppm
Ontario	OEL STEL	300 ppm
Ontario	OEL TWA	200 ppm
Prince Edward Island	OEL STEL	300 ppm
Prince Edward Island	OEL TWA	200 ppm
Québec	VECD OEL STEV	300 mg/m ³
Québec	VECD OEL STEV	100 ppm
Québec	VEMP OEL TWA EV	150 mg/m ³
Québec	VEMP OEL TWA EV	50 ppm
Saskatchewan	OEL STEL	300 ppm
Saskatchewan	OEL TWA	200 ppm
Yukon	OEL STEL	740 mg/m ³
Yukon	OEL STEL	250 ppm
Yukon	OEL TWA	590 mg/m ³
Yukon	OEL TWA	200 ppm
Methyl acetate (79-20-9)		
USA ACGIH	ACGIH OEL TWA	200 ppm
USA ACGIH	ACGIH OEL STEL	250 ppm

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USA OSHA	OSHA PEL TWA	610 mg/m ³
USA OSHA	OSHA PEL TWA	200 ppm
USA NIOSH	NIOSH REL TWA	610 mg/m ³
USA NIOSH	NIOSH REL TWA	200 ppm
USA NIOSH	NIOSH REL STEL	760 mg/m ³
USA NIOSH	NIOSH REL STEL	250 ppm
USA IDLH	IDLH	3100 ppm (10% LEL)
Alberta	OEL STEL	757 mg/m ³
Alberta	OEL STEL	250 ppm
Alberta	OEL TWA	606 mg/m ³
Alberta	OEL TWA	200 ppm
British Columbia	OEL STEL	250 ppm
British Columbia	OEL TWA	200 ppm
Manitoba	OEL STEL	250 ppm
Manitoba	OEL TWA	200 ppm
New Brunswick	OEL STEL	250 ppm
New Brunswick	OEL TWA	200 ppm
Newfoundland & Labrador	OEL STEL	250 ppm
Newfoundland & Labrador	OEL TWA	200 ppm
Nova Scotia	OEL STEL	250 ppm
Nova Scotia	OEL TWA	200 ppm
Nunavut	OEL STEL	250 ppm
Nunavut	OEL TWA	200 ppm
Northwest Territories	OEL STEL	250 ppm
Northwest Territories	OEL TWA	200 ppm
Ontario	OEL STEL	250 ppm
Ontario	OEL TWA	200 ppm
Prince Edward Island	OEL STEL	250 ppm
Prince Edward Island	OEL TWA	200 ppm
Québec	VECD OEL STEV	757 mg/m ³
Québec	VECD OEL STEV	250 ppm
Québec	VEMP OEL TWA EV	606 mg/m ³
Québec	VEMP OEL TWA EV	200 ppm
Saskatchewan	OEL STEL	250 ppm
Saskatchewan	OEL TWA	200 ppm
Yukon	OEL STEL	760 mg/m ³
Yukon	OEL STEL	250 ppm
Yukon	OEL TWA	610 mg/m ³
Yukon	OEL TWA	200 ppm
tert-Butyl acetate (540-88-5)		
USA ACGIH	ACGIH OEL TWA	50 ppm (Butyl acetates, all isomers)
USA ACGIH	ACGIH OEL STEL	150 ppm (Butyl acetates, all isomers)
USA OSHA	OSHA PEL TWA	950 mg/m ³
USA OSHA	OSHA PEL TWA	200 ppm
USA NIOSH	NIOSH REL TWA	950 mg/m ³
USA NIOSH	NIOSH REL TWA	200 ppm
USA IDLH	IDLH	1500 ppm (10% LEL)
Alberta	OEL TWA	950 mg/m ³
Alberta	OEL TWA	200 ppm
British Columbia	OEL STEL	150 ppm (Butyl acetate, all isomers)
British Columbia	OEL TWA	50 ppm (Butyl acetate, all isomers)

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Manitoba	OEL STEL	150 ppm (Butyl acetates, all isomers)
Manitoba	OEL TWA	50 ppm (Butyl acetates, all isomers)
New Brunswick	OEL STEL	150 ppm
New Brunswick	OEL TWA	50 ppm
Newfoundland & Labrador	OEL STEL	150 ppm (Butyl acetates, all isomers)
Newfoundland & Labrador	OEL TWA	50 ppm (Butyl acetates, all isomers)
Nova Scotia	OEL STEL	150 ppm (Butyl acetates, all isomers)
Nova Scotia	OEL TWA	50 ppm (Butyl acetates, all isomers)
Nunavut	OEL STEL	250 ppm
Nunavut	OEL TWA	200 ppm
Northwest Territories	OEL STEL	250 ppm
Northwest Territories	OEL TWA	200 ppm
Ontario	OEL STEL	150 ppm (Butyl acetates, all isomers)
Ontario	OEL TWA	50 ppm (Butyl acetates, all isomers)
Prince Edward Island	OEL STEL	150 ppm (Butyl acetates, all isomers)
Prince Edward Island	OEL TWA	50 ppm (Butyl acetates, all isomers)
Québec	VECD OEL STEV	150 ppm (Butyl acetate (all isomers))
Québec	VEMP OEL TWA EV	50 ppm
Saskatchewan	OEL STEL	250 ppm
Saskatchewan	OEL TWA	200 ppm
Yukon	OEL STEL	1180 mg/m ³
Yukon	OEL STEL	250 ppm
Yukon	OEL TWA	950 mg/m ³
Yukon	OEL TWA	200 ppm

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flammable resistant/retardant clothing.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: No data available
Odor	: No data available
Odor Threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available

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Boiling Point	: > 35 °C (95 °F)
Flash Point	: < 23 °C (73 °F)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: No data available
Upper Flammable Limit	: No data available
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: No data available
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Reacts violently with strong oxidizers. Increased risk of fire or explosion.

10.2. Chemical Stability:

Highly flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

10.3. Possibility of Hazardous Reactions:

Exothermic polymerization may occur on contact with some curing agents or at high temperatures.

10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Likely routes of exposure: Dermal, Eye Contact, Inhalation, Oral.

Acute Toxicity (Oral): Not classified.

Acute Toxicity (Dermal): Not classified.

Acute Toxicity (Inhalation): Not classified.

LD50 and LC50 Data: No additional information available

Skin Corrosion/Irritation: Not classified.

Eye Damage/Irritation: Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified.

Germ Cell Mutagenicity: Not classified.

Carcinogenicity: Not classified.

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): May cause drowsiness or dizziness.

Aspiration Hazard: Not classified.

Symptoms/Injuries After Inhalation: High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Acetone (67-64-1)

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LD50 Oral Rat	5800 mg/kg (Species: Sprague-Dawley)
LD50 Dermal Rabbit	7400 mg/kg
LC50 Inhalation Rat	44 g/m ³
Methyl ethyl ketone (78-93-3)	
LD50 Oral Rat	2483 mg/kg (Source: JAPAN_GHS)
LD50 Dermal Rat	> 10 ml/kg
LD50 Dermal Rabbit	5000 mg/kg (Source: JAPAN_GHS)
LC50 Inhalation Rat	34.5 mg/l/4h
LC50 Inhalation Rat	11700 ppm/4h
Methyl acetate (79-20-9)	
LD50 Oral Rat	> 5 g/kg (Source: NLM_CIP)
LD50 Dermal Rabbit	> 5 g/kg (Source: NLM_CIP)
LC50 Inhalation Rat	> 49000 mg/m ³ (Exposure time: 4 h Source: EU_RAR)
tert-Butyl acetate (540-88-5)	
LD50 Oral Rat	4500 mg/kg
LD50 Dermal Rabbit	> 2000
LC50 Inhalation Rat	> 9482 mg/m ³ (Exposure time: 4 h Source: NLM_PUBMED)
LC50 Inhalation Rat	13.3 mg/l/4h
LC50 Inhalation Rat	4211 ppm (Exposure time: 6 h)

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Not classified.

Acetone (67-64-1)	
LC50 Fish	4144.846 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Crustacea	1679.66 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish	6210 – 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Crustacea	12600 – 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Methyl ethyl ketone (78-93-3)	
LC50 Fish	3130 – 3320 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Crustacea	520 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Crustacea	5091 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC Chronic Algae	93 mg/l
Methyl acetate (79-20-9)	
LC50 Fish	295 – 348 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
EC50 Crustacea	1026.7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish	250 – 350 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static] Source: IUCLID)
tert-Butyl acetate (540-88-5)	
LC50 Fish	296 – 362 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)

12.2. Persistence and Degradability

NA-600RC	
Persistence and Degradability	Not established.
Acetone (67-64-1)	
Persistence and Degradability	Readily biodegradable in water.

12.3. Bioaccumulative Potential

NA-600RC	
Bioaccumulative Potential	Not established.
Acetone (67-64-1)	
BCF Fish	0.69

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Partition coefficient n-octanol/water (Log Pow)	-0.24
Methyl ethyl ketone (78-93-3)	
Partition coefficient n-octanol/water (Log Pow)	0.3 at 40 °C (at pH 7)
Methyl acetate (79-20-9)	
Partition coefficient n-octanol/water (Log Pow)	0.18
tert-Butyl acetate (540-88-5)	
Partition coefficient n-octanol/water (Log Pow)	1.64 at 21.7 °C (at pH 5)

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Additional Information: Handle empty containers with care because residual vapors are flammable.

Ecology - Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name : ADHESIVES

Hazard Class : 3

Identification Number : UN1133

Label Codes : 3

Packing Group : II

ERG Number : 128



14.2. In Accordance with IMDG

Proper Shipping Name : ADHESIVES

Hazard Class : 3

Identification Number : UN1133

Label Codes : 3

Packing Group : II

EmS-No. (Fire) : F-E

EmS-No. (Spillage) : S-D



14.3. In Accordance with IATA

Proper Shipping Name : ADHESIVES

Hazard Class : 3

Identification Number : UN1133

Label Codes : 3

Packing Group : II

ERG Code (IATA) : 3L



14.4. In Accordance with TDG

Proper Shipping Name : ADHESIVES

Hazard Class : 3

Identification Number : UN1133

Label Codes : 3



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Packing Group : II

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

NA-600RC	
SARA Section 311/312 Hazard Classes	Health hazard - Serious eye damage or eye irritation Health hazard - Specific target organ toxicity (single or repeated exposure) Physical hazard - Flammable (gases, aerosols, liquids, or solids)
Acetone (67-64-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
Methyl ethyl ketone (78-93-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
Methyl acetate (79-20-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
tert-Butyl acetate (540-88-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb listed under Butyl acetate

15.2. US State Regulations

Acetone (67-64-1)	
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
Methyl ethyl ketone (78-93-3)	
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
Methyl acetate (79-20-9)	
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List	
tert-Butyl acetate (540-88-5)	
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	

15.3. Canadian Regulations

Acetone (67-64-1)	
Listed on the Canadian DSL (Domestic Substances List)	
Methyl ethyl ketone (78-93-3)	
Listed on the Canadian DSL (Domestic Substances List)	
Methyl acetate (79-20-9)	
Listed on the Canadian DSL (Domestic Substances List)	
tert-Butyl acetate (540-88-5)	
Listed on the Canadian DSL (Domestic Substances List)	

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 04/04/2024

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Other Information

: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

H225	Highly flammable liquid and vapor
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

Glossary of Data Source Abbreviations

ATSDR: Agency for Toxic Substances and Disease Registry (U.S. Department of Health and Human Services)

AU_WES: Australia WES

CHEMVIEW: ChemView (U.S. Environmental Protection Agency)

EC_RAR: European Commission Renewal Assessment Report

EC_SCOEL: European Commission Scientific Committee on Occupational Exposure Limits

ECETOC: European Centre for Ecotoxicology and Toxicology of Chemicals Reports

ECHA_API: European Chemicals Agency API

ECHA_RAC: ECHA Committee for Risk Assessment

EFSA: European Food Safety Authority

EPA: U.S. Environmental Protection Agency

EPA_AEGL: Acute Exposure Guideline Levels (U.S. Environmental Protection Agency)

EPA_FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act Reregistration Eligibility Decision (U.S. Environmental Protection Agency)

EPA_HPVC: High Production Volume Chemicals (U.S. Environmental Protection Agency)

EPA_TRED: Risk Assessment for Tolerance Reassessment Eligibility Decision (U.S. Environmental Protection Agency)

EU_CLH: European Union Harmonised Classification and Labelling Proposal

EU_RAR: European Union Risk Assessment Report

FOOD_JOURN: Food Research Journal (1956)

IARC: The International Agency for Research on Cancer

IDLH: National Institute for Occupational Health and Safety Immediately Dangerous to Life or Health Value Profiles

IUCLID: International Uniform Chemical Information Database

JAPAN_GHS: Japan GHS Basis for Classification Data

JP_J-CHECK: Japan J-Check

KR_NIER: South Korea National Institute of Environmental Research Evaluations

NICNAS: Australia National Industrial Chemicals Notification and Assessment Scheme

NIOSH: National Institute for Occupational Health and Safety (U.S. Department of Health and Human Services)

NLM_CIP: National Library of Medicine ChemID plus database

NLM_HSDB: National Library of Medicine Hazardous Substance Data Bank

NLM_PUBMED: National Library of Medicine PubMed database

NTP: National Toxicology Program

NZ_CCID: New Zealand Chemical Classification and Information Database

OECD_EHSP: Environment, Health, and Safety Publication (Organisation for Economic Co-operation and Development)

OECD_SIDS: Screening Information Data Sets (Organisation for Economic Co-operation and Development)

WHO: World Health Organization

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

NA GHS SDS 2015 (Can, US)