

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 07/11/2023 Supersedes: 04/02/2001 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Trade name : Poly(N-vinylpyrrolidone/vinyl acetate) [70:30]

Product code : 09716
Formula : mixture

1.2. Recommended use and restrictions on use

Recommended use : Use as laboratory reagent, Manufacture of substances

1.3. Supplier

Supplier

Polysciences 400 Valley Road Warrington, PA 18976 - United States T +1 215 343 6484 - F +1 215 343 0214 info@polysciences.com - www.polysciences.com

1.4. Emergency telephone number

Emergency number : 24-hour emergency phone number ChemTel 1-800-255-3924

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 3

Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2B

Flammable liquid and vapor Causes skin irritation

Causes eye irritation

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)





Signal word (GHS US) : Warning

Hazard statements (GHS US) : Flammable liquid and vapor

Causes skin irritation
Causes eye irritation

Precautionary statements (GHS US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking

Keep container tightly closed.

Ground/Bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

11/13/2023 EN (English US) Page 1

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	GHS US classification
Isopropyl Alcohol, 99.9%	(CAS-No.) 67-63-0	51 – 60	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H336
Methyl alcohol	(CAS-No.) 67-56-1	0 – 5	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Acute Tox. 3 (Inhalation:vapour), H331 STOT SE 1, H370
4-methylpentan-2-one, isobutyl methyl ketone	(CAS-No.) 108-10-1	0 – 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335
Acetone	(CAS-No.) 67-64-1	0 – 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of hazard classes and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin

irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Mild eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable liquid and vapor.

Hazardous decomposition products in case of : Toxic fumes may be released.

fire

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. No open

flames, no sparks, and no smoking.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

11/13/2023 EN (English US) 2/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Keep away

from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the

 $container. \ Use \ explosion-proof \ equipment. \ Avoid \ contact \ with \ skin \ and \ eyes.$

: Do not eat, drink or smoke when using this product. Always wash hands after handling the

product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store at room temp. Store locked up. Store in a well-ventilated place. Keep cool. Keep

container tightly closed.

SECTION 8: Exposure controls/personal protection

Boly/N vinylnyrrolidono/vinyl costato) [70:20]

8.1. Control parameters

Hygiene measures

Poly(N-vinylpyrrolidone/vinyl acetate) [70:30]	Poly(N-vinylpyrrolidone/vinyl acetate) [70:30]		
No additional information available			
Isopropyl Alcohol, 99.9% (67-63-0)			
No additional information available			
Acetone (67-64-1)			
USA - ACGIH - Occupational Exposure Limits			
Local name	Acetone		
ACGIH TWA (ppm)	250 ppm meow		
ACGIH STEL (ppm)	500 ppm		
Remark (ACGIH)	eye irr; CNS impair; BEI		
ACGIH chemical category	Not Classifiable as a Human Carcinogen		
Regulatory reference	ACGIH 2018		
USA - ACGIH - Biological Exposure Indices			
Biological Exposure Indices (BEI)	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)		
USA - OSHA - Occupational Exposure Limits			
Local name	Acetone		
OSHA PEL (TWA) (mg/m³)	2400 mg/m³		
OSHA PEL (TWA) (ppm)	1000 ppm		
Regulatory reference (US-OSHA)	OSHA		
USA - IDLH - Occupational Exposure Limits			
US IDLH (ppm)	≤ 2500 ppm (10% LEL)		
USA - NIOSH - Occupational Exposure Limits			
NIOSH REL (TWA) (mg/m³)	590 mg/m³		
NIOSH REL TWA [ppm]	250 ppm		
Methyl alcohol (67-56-1)			
USA - ACGIH - Occupational Exposure Limits			
ACGIH TWA (ppm)	200 ppm		
ACGIH STEL (ppm)	250 ppm		
ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route		
USA - ACGIH - Biological Exposure Indices			
Biological Exposure Indices (BEI)	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: end of shift (background, nonspecific)		

11/13/2023 EN (English US) 3/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

USA - OSHA - Occupational Exposure Limits			
OSHA PEL (TWA) (mg/m³)	260 mg/m³		
OSHA PEL (TWA) (ppm)	200 ppm		
USA - IDLH - Occupational Exposure Limits			
US IDLH (ppm)	6000 ppm		
USA - NIOSH - Occupational Exposure Limits			
NIOSH REL (TWA) (mg/m³)	260 mg/m³		
NIOSH REL TWA [ppm]	200 ppm		
NIOSH REL (STEL) (mg/m³)	325 mg/m³		
NIOSH REL STEL [ppm]	250 ppm		
US-NIOSH chemical category	Potential for dermal absorption		
4-methylpentan-2-one, isobutyl methyl ketone (10	4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)		
USA - ACGIH - Occupational Exposure Limits			
ACGIH TWA (ppm)	20 ppm		
ACGIH STEL (ppm)	75 ppm		
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans		
USA - ACGIH - Biological Exposure Indices			
Biological Exposure Indices (BEI)	1 mg/l Parameter: MIBK - Medium: urine - Sampling time: end of shift		
USA - OSHA - Occupational Exposure Limits			
OSHA PEL (TWA) (mg/m³)	410 mg/m³		
OSHA PEL (TWA) (ppm)	100 ppm		
USA - IDLH - Occupational Exposure Limits			
US IDLH (ppm)	500 ppm		
USA - NIOSH - Occupational Exposure Limits			
NIOSH REL (TWA) (mg/m³)	205 mg/m³		
NIOSH REL TWA [ppm]	50 ppm		
NIOSH REL (STEL) (mg/m³)	300 mg/m³		
NIOSH REL STEL [ppm]	75 ppm		

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



11/13/2023 EN (English US) 4/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Colorless liquid.

Color : Mixture contains one or more component(s) which have the following colour(s):

clear Colorless

Odor : There may be no odour warning properties, odour is subjective and inadequate to warn of

overexposure.

Mixture contains one or more component(s) which have the following odour:

alcohol-like sharp Sweet mint-like

Odor threshold : No data available pH : No data available Melting point : -88.33333333 °C F Freezing point : No data available

Boiling point : 180
Flash point : 53

Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Not applicable. Vapor pressure : 33 mm Hg Relative vapor density at 20°C : 2.1

Relative density : No data available Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic : No data available : No data available Viscosity, dynamic **Explosion limits** : No data available : No data available Explosive properties : No data available Oxidizing properties

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

11/13/2023 EN (English US) 5/10

Safety Data Sheet

Toxicity

Ecology - general

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Poly(N-vinylpyrrolidone/vinyl acetate) [70:30] LD50 oral rat	6.48 ml/kg ml/kg	
	6480 mg/kg body weight	
ATE US (oral)	0400 mg/kg body weight	
Isopropyl Alcohol, 99.9% (67-63-0)		
LD50 oral rat 6.48 ml/kg ml/kg		
Acetone (67-64-1)		
LD50 oral rat	5800 mg/kg	
LD50 dermal rabbit	> 15700 mg/kg	
LC50 Inhalation - Rat	50100 mg/l (Exposure time: 8 h)	
Methyl alcohol (67-56-1)		
LD50 oral rat	6200 mg/kg	
LC50 Inhalation - Rat [ppm]	22500 ppm (Exposure time: 8 h)	
4-methylpentan-2-one, isobutyl methyl keton	e (108-10-1)	
LD50 oral rat	2080 mg/kg	
LD50 dermal rabbit	3000 mg/kg	
LC50 Inhalation - Rat	8.2 mg/l/4h	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Causes eye irritation.	
Respiratory or skin sensitization	: Not classified	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Isopropyl Alcohol, 99.9% (67-63-0)		
IARC group	3 - Not classifiable	
4 modby document Q and in about discontinuous bush of braken	~ (400.40.4)	
4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)		
IARC group	2B - Possibly carcinogenic to humans	
National Toxicity Program (NTP) Status	Evidence of Carcinogenicity	
In OSHA Hazard Communication Carcinogen list	Yes	
Reproductive toxicity	: Not classified	
reproductive toxicity	. Not diassified	
STOT-single exposure	: Not classified	
	: Not classified	
Isopropyl Alcohol, 99.9% (67-63-0)		
STOT-single exposure Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure	: Not classified May cause drowsiness or dizziness.	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1)		
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure		
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure	May cause drowsiness or dizziness.	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1)	May cause drowsiness or dizziness. May cause drowsiness or dizziness.	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs.	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure 4-methylpentan-2-one, isobutyl methyl keton	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs. e (108-10-1)	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs.	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure 4-methylpentan-2-one, isobutyl methyl keton STOT-single exposure	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs. e (108-10-1)	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure 4-methylpentan-2-one, isobutyl methyl keton STOT-single exposure	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs. e (108-10-1) May cause respiratory irritation.	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure 4-methylpentan-2-one, isobutyl methyl keton STOT-single exposure TOT-repeated exposure	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs. e (108-10-1) May cause respiratory irritation.	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure 4-methylpentan-2-one, isobutyl methyl keton STOT-single exposure TOT-repeated exposure	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs. e (108-10-1) May cause respiratory irritation. : Not classified : Not classified	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure 4-methylpentan-2-one, isobutyl methyl keton STOT-single exposure TOT-repeated exposure Aspiration hazard /iscosity, kinematic	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs. e (108-10-1) May cause respiratory irritation. : Not classified : Not classified : No data available	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure 4-methylpentan-2-one, isobutyl methyl keton STOT-single exposure TOT-repeated exposure Aspiration hazard Aspiration hazard	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs. e (108-10-1) May cause respiratory irritation. : Not classified : Not classified : No data available : Irritation.	
Isopropyl Alcohol, 99.9% (67-63-0) STOT-single exposure Acetone (67-64-1) STOT-single exposure Methyl alcohol (67-56-1) STOT-single exposure 4-methylpentan-2-one, isobutyl methyl keton	May cause drowsiness or dizziness. May cause drowsiness or dizziness. Causes damage to organs. e (108-10-1) May cause respiratory irritation. : Not classified : Not classified : No data available	

effects in the environment.

11/13/2023 EN (English US) 6/10

: The product is not considered harmful to aquatic organisms or to cause long-term adverse

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Acetone (67-64-1)		
EC50 Daphnia 1	10294 – 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
LC50 fish 2	6210 – 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
Methyl alcohol (67-56-1)		
LC50 fish 1	28200 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)		
LC50 fish 1	496 – 514 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])	
EC50 Daphnia 1	170 mg/l (Exposure time: 48 h - Species: Daphnia magna)	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Acetone (67-64-1)		
BCF fish 1	0.69	
Partition coefficient n-octanol/water (Log Pow)	-0.24	
Methyl alcohol (67-56-1)		
BCF fish 1	< 10	
Partition coefficient n-octanol/water (Log Pow)	-0.77	
4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)		
Partition coefficient n-octanol/water (Log Pow)	1.19	

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1866 Resin solution, 3, II

UN-No.(DOT) : UN1866
Proper Shipping Name (DOT) : Resin solution

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : II - Medium Danger Hazard labels (DOT) : 3 - Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 173 DOT Packaging Bulk (49 CFR 173.xxx) : 242

11/13/2023 EN (English US) 7/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DOT Special Provisions (49 CFR 172.102)

: 149 - When transported as a limited quantity or a consumer commodity, the maximum net capacity specified in 173.150(b)(2) of this subchapter for inner packaging may be increased to 5 L (1.3 gallons).

383 - Packages containing toy plastic or paper caps for toy pistols described as "UN0349, Articles, explosive, n.o.s. (Toy caps), 1.4S" or "NA0337, Toy caps, 1.4S" are not subject to the subpart E (labeling) requirements of this part when offered for transportation by motor vehicle, rail freight, cargo vessel, and cargo aircraft and, notwithstanding the packing method assigned in §173.62 of this subchapter, in conformance with the following conditions:

B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks.

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T4 - 2.65 178.274(d)(2) Normal...... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).

DOT Packaging Exceptions (49 CFR 173.xxx) : 150 DOT Quantity Limitations Passenger aircraft/rail : 5 L

(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L

CFR 175.75)

DOT Vessel Stowage Location

: B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

Emergency Response Guide (ERG) Number : 12

Other information

: No supplementary information available.

Transportation of Dangerous Goods

Not applicable

Transport by sea

Transport document description (IMDG) : UN 1866 RESIN SOLUTION, 3, II

UN-No. (IMDG) : 1866

Proper Shipping Name (IMDG) : RESIN SOLUTION
Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : II - substances presenting medium danger

Limited quantities (IMDG) : 5 L

Air transport

Transport document description (IATA) : UN 1866 Resin solution, 3, II

UN-No. (IATA) : 1866

Proper Shipping Name (IATA) : Resin solution

Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : II - Medium danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Isopropyl Alcohol, 99.9% (67-63-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

Acetone (67-64-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313

CERCLA RQ 5000 lb

11/13/2023 EN (English US) 8/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Methyl alcohol (67-56-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ

5000 lb

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ

5000 lb

15.2. International regulations

CANADA

Isopropyl Alcohol, 99.9% (67-63-0)

Listed on the Canadian DSL (Domestic Substances List)

Acetone (67-64-1)

Listed on the Canadian DSL (Domestic Substances List)

Methyl alcohol (67-56-1)

Listed on the Canadian DSL (Domestic Substances List)

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Methyl alcohol (67-56-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Methyl alcohol (67-56-1)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Japanese Poisonous and Deleterious Substances Control Law

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on CICR (Turkish Inventory and Control of Chemicals)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on KECL/KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Listed on CICR (Turkish Inventory and Control of Chemicals)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

11/13/2023 EN (English US) 9/10

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Methyl alcohol (67-56-1)					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
No	Yes	No	No		47000 μg/day inhalation
4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	Yes	No	No		

Component	State or local regulations
Isopropyl Alcohol, 99.9%(67-63-0)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
Methyl alcohol(67-56-1)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S Pennsylvania - RTK (Right to Know) List
4-methylpentan-2-one, isobutyl methyl ketone(108-10-1)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S Pennsylvania - RTK (Right to Know) List
Acetone(67-64-1)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above

100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB IC)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

POLYSCIENCES, INC. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. POLYSCIENCES, INC. makes no representations or warranties, either expressed or implied of merchantability, fitness for particular purposes with respect to the information set forth herein or to which the information refers. Accordingly, POLYSCIENCES, INC. will not be responsible for damages resulting from the use of or reliance upon this information.

11/13/2023 EN (English US) 10/10