Safety Data Sheet According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations Date of Issue: 05/26/2022

SECTION 1: IDENTIFICATION Product Identifier 1.1. Product Form: Mixture Product Name: PolyGone 505 **Intended Use of the Product** 1.2. Use of the Substance/Mixture: No use is specified Name, Address, and Telephone of the Responsible Party 1.3. **RPM Technology, LLC** P.O. Box 33186 Reno, NV 89533-3186 886-271-8766 www.rpm-technology.com **Emergency Telephone Number** 1.4.

Emergency Number

: ChemTel LLC (800)255-3924 (North America) +1 (813)248-0585 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. **Classification of the Substance or Mixture**

GHS-US Classification	
Flam. Liq. 4	H227
Acute Tox. 4 (Dermal)	H312
Acute Tox. 4	H332
(Inhalation:dust,mist)	
Skin Corr. 1B	H314
Eye Dam. 1	H318
Repr. 1B	H360
STOT SE 3	H336
STOT RE 1	H372

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

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)

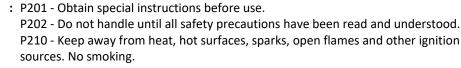


H318 - Causes serious eye damage. H336 - May cause drowsiness or dizziness. H360 - May damage fertility or the unborn child.

: H227 - Combustible liquid.

Signal Word (GHS-US) Hazard Statements (GHS-US)

Precautionary Statements (GHS-US)



H372 - Causes damage to organs through prolonged or repeated exposure.

P260 - Do not breathe vapors, mist, or spray.

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

- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.

H312+H332 - Harmful in contact with skin or if inhaled. H314 - Causes severe skin burns and eye damage.

- P280 Wear protective gloves, protective clothing, and eye protection.
- P301+P330+P331 If swallowed: rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Version: 1.0

Safety Data Sheet

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

P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position 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.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P310 - Immediately call a poison center or doctor.

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see section 4 on this SDS).

P322 - Specific treatment (see supplemental first aid instruction on this label).

P362+P364 - Take off contaminated clothing and wash it before reuse.

P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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, and international regulations.

2.3. Other Hazards

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

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
N,N-Dimethylacetamide	Acetamide, N,N-dimethyl- / Dimethylacetamide / DMA / DMAc / NSC 3138 / Dimethylacetamide, N,N-	(CAS-No.) 127-19-5	89.2	Flam. Liq. 4, H227 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319 Repr. 1B, H360 STOT SE 3, H336 STOT RE 1, H372
Proprietary Ingredient	Proprietary	(CAS-No.) Proprietary*	3-7	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Eye Dam. 1, H318
Tetrabutylammonium fluoride trihydrate	Tetra-N-butylammonium fluoride trihydrate / 1-Butanaminium, N,N,N-tributyl-, fluoride, trihydrate / 1-Butanaminium, N,N,N-tributyl-, fluoride, hydrate (1:1:3)	(CAS-No.) 87749-50-6	5.3	Skin Corr. 1B, H314 Eye Dam. 1, H318

Full text of H-phrases: see section 16

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200]. **SECTION 4: FIRST AID MEASURES**

SECTION 4: TIRST AID MEASORES

4.1. Description of First-aid Measures

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).

First-aid Measures After Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention. Immediately call a poison center or doctor/physician.

First-aid Measures After Skin Contact: Immediately remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Immediately call a poison center or doctor/physician.

First-aid Measures After Eye Contact: Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician. Get immediate medical advice/attention. **First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Safety Data Sheet According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries: May cause drowsiness and dizziness. Causes damage to organs through prolonged or repeated exposure. May damage fertility. May damage the unborn child. Harmful in contact with skin. Harmful if inhaled. Causes severe skin burns and eye damage.

Symptoms/Injuries After Inhalation: High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness. May be corrosive to the respiratory tract. Symptoms/Injuries After Skin Contact: This material is harmful through skin contact, and can cause adverse health effects or death in significant amounts. This material may be absorbed through the skin and eyes. Causes severe irritation which will progress to chemical burns.

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. **Chronic Symptoms:** Causes damage to organs through prolonged or repeated exposure. May damage fertility or the unborn child.

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: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO₂). Water may be ineffective but water should be used to keep fire-exposed container cool.

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: Combustible liquid.

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

Reactivity: Reacts violently with strong oxidizers. Increased risk of fire or explosion. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

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. Fluorine compounds. Corrosive vapors.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not breathe vapor, mist or 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. Ventilate area.

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

6.4. Reference to Other Sections

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

Safety Data Sheet According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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. May release corrosive vapors.

Precautions for Safe Handling: Do not get in eyes, on skin, or on clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe mist/vapors/spray. Take precautionary measures against static discharge. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle empty containers with care because they may still present a hazard. Use only outdoors or in a well-ventilated area.

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

7.2. Conditions for Safe Storage, Including Any Incompatibilities

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. Store in original container or corrosive resistant and/or lined container.

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

7.3. Specific End Use(s)

No use is specified

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), or OSHA (PEL).

N,N-Dimethylacetamide (127-19-5)			
USA ACGIH	ACGIH OEL TWA [ppm]	10 ppm	
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans,Skin - potential significant contribution to overall exposure by the cutaneous route	
USA ACGIH	BEI (BLV)	30 mg/g Kreatinin Parameter: N-Methylacetamide - Medium: urine - Sampling time: end of shift at end of workweek	
USA NIOSH	NIOSH REL (TWA)	35 mg/m ³	
USA NIOSH	NIOSH REL TWA [ppm]	10 ppm	
USA IDLH	IDLH [ppm]	300 ppm	
USA OSHA	OSHA PEL (TWA) [1]	35 mg/m ³	
USA OSHA	OSHA PEL (TWA) [2]	10 ppm	
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption	

8.2. Exposure Controls

Appropriate Engineering Controls

: 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. Gas detectors should be used when toxic gases may be released. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. Face shield.



- **g** : Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing. Corrosion-proof clothing.
 - : Wear protective gloves.
 - : Chemical safety goggles and face shield.
 - : Wear suitable protective clothing.

Personal Protective Equipment

Materials for Protective Clothing

Hand Protection Eye and Face Protection Skin and Body Protection

Safety Data Sheet

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

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 C	CHEMICAL PROPERTIES		
9.1. Information on Basic I	Physical and Chemical Properties		
Physical State	: Liquid		
Appearance	: No data available		
Odor	: No data available		
Odor Threshold	: No data available		
рН	: No data available		
Evaporation Rate	: No data available		
Melting Point	: No data available		
Freezing Point	: No data available		
Boiling Point	: No data available		

: No data available
: No data available
: No data available
: Not applicable
: No data available

9.2. Other Information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Viscosity

Reacts violently with strong oxidizers. Increased risk of fire or explosion. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

: No data available

10.2. Chemical Stability

Combustible liquid. May form flammable or explosive vapor-air mixture.

10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

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

Not expected to decompose under ambient conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Harmful in contact with skin.

Acute Toxicity (Inhalation): Harmful if inhaled.

1,232.91 mg/kg body weight			
1.68 mg/l/4h			
N,N-Dimethylacetamide (127-19-5)			
4263 mg/kg			
2240 mg/kg			
8.81 mg/l (Exposure time: 1 h)			
-			

Safety Data Sheet

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

ATE (Dermal)	1,100.00 mg/kg body weight		
ATE (Vapors)	8.81 mg/l/4h		
ATE (Dust/Mist)	1.50 mg/l/4h		
Proprietary Ingredient			
	245 /		

LD50 Oral Rat

215 mg/kg

Skin Corrosion/Irritation: Causes severe skin burns.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

N,N-Dimethylacetamide (127-19-5)			
IARC group	2B		
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.		

Reproductive Toxicity: May damage fertility or the unborn child.

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

Specific Target Organ Toxicity (Repeated Exposure): Causes damage to organs through prolonged or repeated exposure.

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. Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness. May be corrosive to the respiratory tract. Symptoms/Injuries After Skin Contact: This material is harmful through skin contact, and can cause adverse health effects or death in significant amounts. This material may be absorbed through the skin and eyes. Causes severe irritation which will progress to chemical burns.

Symptoms/Injuries After Eye Contact: Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Chronic Symptoms: Causes damage to organs through prolonged or repeated exposure. May damage fertility or the unborn child.

SECTION 12: ECOLOGICAL INFORMATION 12.1. Toxicity **Ecology - General** : Not classified. N,N-Dimethylacetamide (127-19-5) LC50 Fish 1 13300 mg/l EC50 - Crustacea [1] > 500 mg/l (Exposure time: 48 h - Species: Daphnia magna) 12.2. Persistence and Degradability PolyGone 505 Persistence and Degradability Not established. 12.3. **Bioaccumulative Potential** PolyGone 505 **Bioaccumulative Potential** Not established. N,N-Dimethylacetamide (127-19-5) Partition coefficient n-octanol/water (Log 0.8 Pow) 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, and international regulations.

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

Ecology - Waste Materials: Avoid release to the environment.

Safety Data Sheet

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

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.

authoreu, and can vary bas	ed on a number of variables that may of may not have been known at the time the 5D5 was issued.
14.1. In Accordance v	vith DOT
Proper Shipping Name	: CORROSIVE LIQUIDS, N.O.S. (CONTAINS : Tetrabutylammonium fluoride trihydrate)
Hazard Class	: 8
Identification Number	: UN1760
Label Codes	: 8
Packing Group	: 11
ERG Number	: 154
14.2. In Accordance v	vith IMDG
Proper Shipping Name	: CORROSIVE LIQUID, N.O.S. (CONTAINS : Tetrabutylammonium fluoride trihydrate)
Hazard Class	: 8
Identification Number	: UN1760
Packing Group	: 11
Label Codes	: 8
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
14.3. In Accordance v	vith IATA
Proper Shipping Name	: CORROSIVE LIQUID, N.O.S. (CONTAINS : Tetrabutylammonium fluoride trihydrate)
Packing Group	: 11
Identification Number	: UN1760

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		8

ERG Code (IATA) : 8L SECTION 15: REGULATORY INFORMATION

: 8

: 8

15.1. US Federal Regulations

SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure)
	Physical hazard - Flammable (gases, aerosols, liquids, or solids)
	Health hazard - Reproductive toxicity
	Health hazard - Acute toxicity (any route of exposure)
	Health hazard - Serious eye damage or eye irritation
	Health hazard - Skin corrosion or Irritation

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Proprietary Ingredient

Hazard Class

Label Codes

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

15.2. US State Regulations

N,N-Dimethylacetamide (127-19-5)

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

California Proposition 65

WARNING: This product can expose you to N,N-Dimethylacetamide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
N,N-Dimethylacetamide (127-	Х	Х		Х
19-5)				
SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION				

Date of Preparation or Latest Revision

Safety Data Sheet

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

Other Information	: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
GHS Full Text Phrases:	

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
Repr. 1B	Reproductive toxicity Category 1B
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H227	Combustible liquid
H301	Toxic if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H360	May damage fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure

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.

SDS US (GHS HazCom)