

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 04/30/2021 Supersedes: 07/20/1999 Version: 1.0

1. elemitication Substance Product form Substance Substance Product form Poly(N-vny/pyrrolidone), MW 40,000 Chemical name : Poly(N-vny/pyrrolidone), MW 40,000 Chemical name : Poly(N-vny/pyrrolidone), MW 40,000 Chemical name : Poly 1000 Product code : Poly 1000 Poly 1000 : Certain 1000 Poly 2000 : Certain 1000 Supplier Supplier Supplier Poly 2000 : Supplier Supplier Supplier Supplier Poly 2000 : : Supplier Poly 2000 : : : : Poly 2000 : : : : Poly 2000 : : : : : Poly 2000 : : : : : Poly 2000 : : : : : : Substance	SECTION 4. Identification				
Product form S Substance Irade name Poly(N-vinybyrolidone), MV 40,000 Demical name 9003-39-8 Oddet code 10051 Formula c (C8H9NO)x 2 Recommended use and restrictions on use Recommended use and restrictions on use secommended use and restrictions on use Recommended use and restrictions on use secommended use and restrictions on use Recommended use and restrictions on use secommended use and restrictions on use Recommended use and restrictions on use secommended use and restrictions on use Supplier Supplier Polysciences supplier Polysciences som - www.polysciences som - wwww.polysciences som - www.polysciences som - w	SECTION 1: Identification				
Trade name Poly(N-viny(byrrolidone), MW 40,000 Chemical name : SAS-No. : SAS-No. : Toduct code : Product code : Sommanded use and restrictions on use Recommended use and restrictions on use Supplier S					
Chemical name : : : : : : : : : : : : : : : : : : :					
CAS-No. : 9003-39-8 Product code : 01051 Formula : (C6HBND)x 2. Recommended use and restrictions on use Recommended use i Use as laboratory reagent, Manufacture of substances 3. Supplier Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier Polysciences Supplier		: Poly(N-vinylpyrrolidone), MW 4	40,000		
Parduct code : (049N0/x Comma (so : (049N0/x) Recommended use and restrictions on use Recommended use (so : Use as laboratory reagent, Manufacture of substances) 3. Supplier Paylogicinercos Paylog	Chemical name	:			
Formula : (C6H9NO)x Recommended use and restrictions on use Recommended use : Use as laboratory reagent, Manufacture of substances Recommended use : Use as laboratory reagent, Manufacture of substances Supplier Supplier Polysocinoses Supplier Polysocinoses New Polysocinoses com No Valley Road Yatory Supplier Polysocinoses New Polysocinoses com A. Emergency tablehone number Emergency number : 24-hour emergency phone number ChemTel 1-800-255-3924 Terregrency number : 24-hour emergency phone number ChemTel 1-800-255-3924 ECTION 2: Hazard(s) identification : 1. Classification of the substance or mixture HS US Classification of the substance or mixture HS US Labeling o labeling applicable 3. Other hazards which do not result in classification a dational information available 4. Mark Medica A. Substances ECTION 3: Composition/Information on ingredients 1. Substances Name PolyNetwingspredione), MV 40,000 (Answer Setter II) (Answer Setter II) 2. Mixtures 3. 1. Classification 1. Substances 2. Mark Mathrows Exercise III 2. Mark Medica 3. Decrification (Information available <td>CAS-No.</td> <td>: 9003-39-8</td> <td></td> <td></td> <td></td>	CAS-No.	: 9003-39-8			
2. Recommended use and restrictions on use Recommended use : Use as laboratory reagent, Manufacture of substances 3. Supplier Supplier Polycolamoes Variangion, PA 18976 - United States T+125 343 de44 - F+ 121 53 43 de44 - F+ 121 55 45 45 - F+ 121 55 45 45 - F+ 121 55 45 45 - F+ 121 55 45 - F+ 12	Product code	: 01051			
Recommended use : Use as laboratory reagent, Manufacture of substances 3. Supplier Polysciences Polysciences 400 Valuey Road Warnigton, PA 18976 - United States F + 1215 343 6424 - F + 1215 343 0214 Info@polysciences.com 44. Emergency telephone number Emergency number : 24-hour emergency phone number Chem Tel 1-800-255-3924 ECTION 2: Hazard(s) Identification 1. Classification of the substance or mixture HS US classification 2. GHS Label elements, including precautionary statements HS US labeling 1 classification 2. GHS Label elements, including precautionary statements HS US labeling 2 labeling applicable 3. Other hazards which do not result in classification a additional information available 4. Unknown acute toxicity (GHS US) at applicable ECTION 3: Composition/Information on ingredients 1. Substances Name Product identifier Name Product identifier </td <td>Formula</td> <td>: (C6H9NO)x</td> <td></td> <td></td> <td></td>	Formula	: (C6H9NO)x			
3. Supplier Supplier Objectinges 600 Valuey Read Verringion, PA 18976 - United States T +1 215 343 6484 - F +1 215 343 0214 fo@polysicinces.com - www.polysiciences.com 4. Energency telephone number Emergency telephone number Emergency telephone number Emergency telephone number Energency telephone number 2. Chassification of the substance or mixture HS US Classification ot classification at classified 2. GHS Label elements, including precautionary statements HS US labeling babeling applicable 3. Other hazards which do not result in classification a additional information available 4. Unknown acute toxicity (GHS US) ot applicable Statances Name Product identifier % GHS US classified 1. Substances Name Product identifier % GHS US classified 1. Substances s 100 Not classified 2. Mixtures s 100 Not classified 3.	I.2. Recommended use and restrictions or	1 USE			
Supplier Polysciences OV Valley Road Warrington, PA 18976- United States 1+1215 343 6844 - F + 1215 343 0214 info@polysciences.com 4. Emergency telephone number Emergency telephone number Emergency number : 24-hour emergency phone number ChemTel 1-800-255-3924 ECTION 2: Hazard(s) identification 1. Classification of the substance or mixture HS US classification ot additional information available 4. Unknown acute toxicity (GHS US) ot additional information on ingredients 1. Substances Name Product identifier % CHS US classification Poly(hyntypyrolidone), MV 40,000 (CAS Ne.) 9003-39-8 § 100 Not classified 2.<	Recommended use	: Use as laboratory reagent, Ma	nufacture of sub	stances	
Polysiencess Warington, PA 18976 - Lunied States T + 12 15 343 0844 - F + at 21 534 0214 Info@polysciences.com - www.polysciences.com 4. Emergency telephone number Emergency number : 24-hour emergency phone number ChemTel 1-800-255-3924 ECTION 2: Hazard(s) identification 1. Classification of the substance or mixture HS US classification to classified 2. GHS Label elements, including precautionary statements HS US labeling to classified 2. GHS Label elements, including precautionary statements HS US labeling to classified 3. Other hazards which do not result in classification to additional information available 4. Unknown acute toxicity (GHS US) to tapplicable ECTION 3: Composition/Information on ingredients 1. Substances Name Product identifier % GHS US classification Poly(N-wing/kyrrolidone), MV 40,000 (CA8-No.) 9003-39-8 ≤ 100 Not classified 3. Other hazard classes and H-statements : see section 16 2. Mixtures to applicable ECTION 4: First-aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after inhalation : Rinse eyes with water as a precaution.	I.3. Supplier				
Emergency number : 24-hour emergency phone number ChemTel 1-800-255-3924 ECTION 24 Hazard(s) identification A Classification of the substance or mixture HS US classification at classified C. GHS Label elements, including precautionary statements HS US labeling a labeling applicable C. GHS Label elements, including precautionary statements HS US labeling a labeling applicable C. GHS Label elements, including precautionary statements HS US labeling b labeling applicable C. GHS Label elements, including precautionary statements HS US labeling b labeling applicable C. GHS Label elements, including precautionary statements HS US labeling b labeling applicable C. GHS Label elements, including precautionary statements HS US labeling b labeling applicable C. GHS Label elements, including precautionary statements C. GHS US dassification b edditional information available C. Unknown acute toxicity (GHS US) ot applicable C. GHTON 3: Composition/Information on ingredients I. Substances C. GHS US classification Developments C. GAS No. 9 6003-398 100 Not classified C. GAS No. 9 6003-398 100 Not class	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				
Emergen v number : 24-hour emergency phone number ChemTel 1-800-255-3924 ECTION 24 Hazard(s) identification Cassification of the substance or mixture HS US classification ot classified C. GHS Label elements, including precautionary statements HS US labeling o labeling applicable C. GHS Label elements, including precautionary statements HS US labeling o labeling applicable C. GHS Label elements, including precautionary statements HS US labeling o labeling applicable C. GHS Label elements, including precautionary statements HS US labeling o labeling applicable C. GHS Label elements, including precautionary statements HS US labeling o labeling applicable C. GHS Label elements, including precautionary statements HS US labeling o labeling applicable C. GHS Label elements, including precautionary statements ECTION 32. COmposition/Information on ingredients C. Mixtures C.	1.4. Emergency telephone number				
1. Classification of the substance or mixture HS US classification of classification of classified 2. GHS Label elements, including precautionary statements HS US labeling opticable Do labeling applicable 3. Other hazards which do not result in classification of additional information available 4. Unknown acute toxicity (GHS US) of applicable Section 3: Composition/Information on ingredients 1. Substances Mame Product identifier % GHS US classified Name Product identifier % GHS US classified 1. Substances Section 9003-39-8 \$ 100 Not classified Aintures It exit of hazard classes and H-statements : see section 16 2. Mixtures Section 4. ECTION 4: First-aid measures First-aid measures after inhalation First-aid measures First-aid measures after inhalation Contret is first aid measures </td <td>Emergency number</td> <td>: 24-hour emergency phone nur</td> <td>nber ChemTel 1</td> <td>-800-255-3924</td> <td></td>	Emergency number	: 24-hour emergency phone nur	nber ChemTel 1	-800-255-3924	
1. Classification of the substance or mixture HS US classification of classification of classified 2. GHS Label elements, including precautionary statements HS US labeling opticable Do labeling applicable 3. Other hazards which do not result in classification of additional information available 4. Unknown acute toxicity (GHS US) of applicable Section //Information on ingredients Section //Information on ingredients 1. Substances Mame Product identifier % GHS US classification of the classified 1. Substances Name Product identifier % GHS US classified Interview of the statements : see section 16 2. Mixtures Interview of the statements : see section 16 2. Mixtures Interview of the statements : see section 16 2. Mixtures Interview of the statements : see section 16 2. Mixtures Interview of the stateme	SECTION 2: Hazard(s) identification				
HS US classification at classified 2. GHS Label elements, including precautionary statements HS US labeling b labeling applicable 3. Other hazards which do not result in classification b additional information available 4. Unknown acute toxicity (GHS US) ot applicable ECTION 3: Composition/Information on ingredients 1. Substances Mame Product identifier % GHS US classification Poly(N-vinylpyrrolidone), MW 40,000 (CAS-No.) 9003-39-8 ≤ 100 Not classified Mixtures to applicable ECTION 4: First-aid measures Tirst-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.	· · ·	ure			
at classified 2. GHS Label elements, including precautionary statements HS US labeling b labeling applicable 3. Other hazards which do not result in classification b additional information available 4. Unknown acute toxicity (GHS US) b t applicable ECTION 3: Composition/Information on ingredients 1. Substances Poly(N-inylpyprolidone), MW 40,000 (Main constituent) ull text of hazard classes and H-statements : see section 16 2. Mixtures ctrop of first aid measures Tirst-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after skin contact : Rinse eyes with water as a precaution.					
2. GHS Label elements, including precautionary statements HS US labeling b labeling applicable 3. Other hazards which do not result in classification b additional information available 4. Unknown acute toxicity (GHS US) bt applicable ECTION 3: Composition/Information on ingredients 1. Substances Mame Poly(N-inylpyrolicione), MW 40,000 (Main constituent) ult ext of hazard classes and H-statements : see section 16 2. Mixtures atom section of first aid measures ECTION 4: First-aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after skin contact : Rinse eyes with water as a precaution.					
HS US labeling a babeling applicable 3. Other hazards which do not result in classification a dditional information available 4. Unknown acute toxicity (GHS US) bot applicable ECTION 3: Composition/Information on ingredients 1. Substances Name Poly(I-vinylpyrrolidone), MW 40,000 (ICAS-No.) 9003-39-8 \$ 100 Not classified Not classified Il text of hazard classes and H-statements : see section 16 2. Mixtures ot applicable ECTION 4: First-aid measures First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Wash skin with plenty of water. First-aid measures after eye contact Rinse eyes with water as a precaution. 	Not classified				
a dditional information available 4. Unknown acute toxicity (GHS US) ot applicable ECTION 3: Composition/Information on ingredients 1. Substances Name Product identifier % GHS US classification Poly(N-vinylpyrrolidone), MW 40,000 (CAS-No.) 9003-39-8 ≤ 100 Not classified In constituent) (CAS-No.) 9003-39-8 ≤ 100 Not classified 2. Mixtures at a pplicable ECTION 4: First-aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.	2.2. GHS Label elements, including precau GHS US labeling No labeling applicable	tionary statements			
a dditional information available 4. Unknown acute toxicity (GHS US) ot applicable ECTION 3: Composition/Information on ingredients 1. Substances Name Product identifier % GHS US classification Poly(N-vinylpyrrolidone), MW 40,000 (CAS-No.) 9003-39-8 ≤ 100 Not classified In constituent) (CAS-No.) 9003-39-8 ≤ 100 Not classified 2. Mixtures at a pplicable ECTION 4: First-aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.					
4. Unknown acute toxicity (GHS US) ot applicable ECTION 3: Composition/Information on ingredients 1. Substances Name Product identifier % GHS US classification Poly(N-vinylpyrrolidone), MW 40,000 (Main constituent) (CAS-No.) 9003-39-8 ≤ 100 Not classified ull text of hazard classes and H-statements : see section 16 2. Mixtures ot applicable ECTION 4: First-aid measures Tist-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after eye contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.		lassification			
Anne Product identifier % GHS US classification Name Product identifier % GHS US classification Poly(N-vinylpyrrolidone), MW 40,000 (CAS-No.) 9003-39-8 ≤ 100 Not classified Value to f hazard classes and H-statements : see section 16 2. Mixtures 2. Mixtures 5 100 Not classified 2. Mixtures 5 5 100 S 2. Mixtures 5 5 5 100 S 2. Mixtures 5 5 5 100 S 100					
ECTION 3: Composition/Information on ingredients 1. Substances Name Product identifier % GHS US classification Poly(N-vinylpyrrolidone), MW 40,000 (Main constituent) (CAS-No.) 9003-39-8 ≤ 100 Not classified Jull text of hazard classes and H-statements : see section 16 2. Mixtures Ot applicable ECTION 4: First-aid measures First-aid measures I. Description of first aid measures Erst-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.					
Name Product identifier % GHS US classification Poly(N-vinylpyrrolidone), MW 40,000 (Main constituent) (CAS-No.) 9003-39-8 ≤ 100 Not classified Jull text of hazard classes and H-statements : see section 16	Not applicable				
Name Product identifier % GHS US classification Poly(N-vinylpyrrolidone), MW 40,000 (Main constituent) (CAS-No.) 9003-39-8 ≤ 100 Not classified ull text of hazard classes and H-statements : see section 16 . . Mixtures ot applicable ECTION 4: First-aid measures . . . First-aid measures after inhalation . . Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact First-aid measures after eye contact . . . First-aid measures after eye contact . . .	SECTION 3: Composition/Information	on ingredients			
Poly(N-vinylpyrrolidone), MW 40,000 (Main constituent) (CAS-No.) 9003-39-8 ≤ 100 Not classified ull text of hazard classes and H-statements : see section 16	3.1. Substances				
Poly(N-vinylpyrrolidone), MW 40,000 (Main constituent) (CAS-No.) 9003-39-8 ≤ 100 Not classified ull text of hazard classes and H-statements : see section 16	Namo	Broc	luct identifier	0/.	GHS US classification
(Main constituent) Image: Constituent (Main constituent) ull text of hazard classes and H-statements : see section 16 2. Mixtures ot applicable ECTION 4: First-aid measures ECTION 4: First-aid measures Interst aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. : Wash skin with plenty of water. : First-aid measures after eye contact : : Rinse eyes with water as a precaution.					
2. Mixtures ot applicable ECTION 4: First-aid measures ECTION 4: First-aid measures I. Description of first aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.		(CAS-	110.) 3000-03-0	- 100	1101 0103311154
2. Mixtures ot applicable ECTION 4: First-aid measures ECTION 4: First-aid measures I. Description of first aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.	Full text of hazard classes and H-statements · see	section 16			
bet applicable ECTION 4: First-aid measures 1. Description of first aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.					
ECTION 4: First-aid measures 1. Description of first aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.					
Description of first aid measures First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.					
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.First-aid measures after skin contact: Wash skin with plenty of water.First-aid measures after eye contact: Rinse eyes with water as a precaution.					
First-aid measures after skin contact : Wash skin with plenty of water. First-aid measures after eye contact : Rinse eyes with water as a precaution.		5			
First-aid measures after eye contact : Rinse eyes with water as a precaution.		•	·	ble for breathing.	
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.					
	First-aid measures after ingestion	: Call a poison center/doctor/phy	ysician if you fee	l unwell.	
2. Most important symptoms and effects (acute and delayed)	4.2. Most important symptoms and effects	(acute and delayed)			
	No additional information available	. ,			

Safety Data Sheet

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

4.3.	B. Immediate medical attention and special treatment, if necessary	
Treat sy	/mptomatically.	
SECT	ION 5: Fire-fighting measures	
5.1.	Suitable (and unsuitable) extinguishir	ng media
Suitab	le extinguishing media	: Water spray. Dry powder. Foam.
5.2.	Specific hazards arising from the che	mical
Hazar fire	dous decomposition products in case of	: Toxic fumes may be released.
5.3.	Special protective equipment and pre	-
Protec	tion during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECT	ION 6: Accidental release measu	Jres
6.1.	Personal precautions, protective equi	pment and emergency procedures
6.1.1.	For non-emergency personnel	
Emerg	gency procedures	: Ventilate spillage area.
6.1.2.	For emergency responders	
Protec	stive 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 re	elease to the environment.	
6.3.	Methods and material for containmen	t and cleaning up
	ds for cleaning up	: Mechanically recover the product.
Other	information	: Dispose of materials or solid residues at an authorized site.
6.4.	Reference to other sections	
For furt	her information refer to section 13.	
SECT	ION 7: Handling and storage	
7.1.	Precautions for safe handling	
	utions for safe handling ne measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.0	Conditions for one storage including	
7.2. Storac	Conditions for safe storage, including ge conditions	: Store at room temp. Store in a well-ventilated place. Keep cool.
Otorag		
SECT	ION 8: Exposure controls/perso	nal protection
8.1.	Control parameters	
Poly	(N-vinylpyrrolidone), MW 40,000 (9003-3	9-8)
No a	dditional information available	
8.2.	Appropriate engineering controls	
•••	priate engineering controls	Ensure good ventilation of the work station.
Enviro	onmental exposure controls	: Avoid release to the environment.
8.3.	Individual protection measures/Perso	nal protective equipment
Han	d protection:	
Prot	ective gloves	
	protection:	
-		
	ty glasses	
Skin	and body protection:	
4440/		

Safety Data Sheet

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

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties 9.1. Physical state : Solid Appearance : creamy-white powder. Color : No data available Odor : No data available Odor threshold No data available ÷ pН : No data available Melting point no data ÷ Freezing point : Not applicable Boiling point : no data Flash point does not flash :

- Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) ÷ Non flammable. : no data Vapor pressure Relative vapor density at 20°C : no data Relative density : No data available Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : Not applicable : No data available Decomposition temperature
- No data available Viscosity, kinematic · : No data available Viscosity, dynamic Explosion limits : Not applicable Explosive properties : No data available
- : 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.		
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).		
10.5. Incompatible materials		
No additional information available		

No additional information available

Safety Data Sheet

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

10.6. Hazardous decomposition products	
Under normal conditions of storage and use, hazard	ous 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
Poly(N-vinylpyrrolidone), MW 40,000 (9003-39	-8)
LD50 oral rat	> ≥ 100000 μg/kg mg/kg
ATE US (oral)	100 mg/kg body weight
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Not classified
Respiratory or skin sensitization :	Not classified
Germ cell mutagenicity :	Not classified
Carcinogenicity :	Not classified
Poly(N-vinylpyrrolidone), MW 40,000 (9003-39	8)
IARC group	3 - Not classifiable
Reproductive toxicity :	Not classified
STOT-single exposure :	Not classified
STOT-repeated exposure :	Not classified
Aspiration hazard	Not classified
Viscosity, kinematic	No data available
SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general :	The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradability	

	Ŭ
	tional information available
NU auui	
12.3.	Bioaccumulative potential
12.0.	bioaccumulative potentiai
No oddi	tional information available
no addi	lional information available
12.4.	Mobility in soil
14.7.	mobility in 30h
	tional information available
ino addi	lional information available
40 -	

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal consideration	IS
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Not applicable	
Transportation of Dangerous Goods	
Not applicable	

Safety Data Sheet

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

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information		
15.1. US Federal regulations		
Poly(N-vinylpyrrolidone), MW 40,000 (9003-39-8)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).	

15.2. International regulations

CANADA

Poly(N-vinylpyrrolidone), MW 40,000 (9003-39-8)	
Listed on the Canadian DSL (Domestic Substances List)	

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

SECTION 16: Other information

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

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.