

Material Safety Data Sheet

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BASF CORPORATION
3000 CONTINENTAL DRIVE

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BOTH NUMBERS ARE AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.

SECTION 1 - PRODUCT INFORMATION

DIVERGAN® F

Product ID: NCN 601461

Common Chemical Name:

Polyvinylpyrrolidone

Synonyms:

PVPP, FCC; Cross-linked PVP

Molecular Formula:

{C(6)H(9)NO}N

Chemical Family: Polymer

Molecular Wt.: NOT APPLICABLE

SECTION 2 - INGREDIENTS

Chemical Name:	CAS	Amount
Polyvinylpyrrolidone	9003-39-8	> 95.0 %
PEL/TLV NOT ESTABLISHED		
Water	7732-18-5	< 5.0 %
PEL/TLV NOT ESTABLISHED		

SECTION 3 - PHYSICAL PROPERTIES

Color:	White				
Form/Appearance:	Powder				
Odor:	Characteristic				
Odor Intensity:	Faint				
	Typical	Low/High	U.O.M.		
Specific Gravity:	~ 1.2			@ 20	DEG C
Bulk Density:	~ 0.2		G/CC		
pH:		6 - 7.5	(1% AQ SOLN)		
	Typical	Low/High	Deg.	@	Pressure
Boiling Pt:	NOT AVAILABLE				
Freezing Pt:	~ 220		C	1	ATMOSPHERES
Decomp. Tmp:	> 220		C	1	ATMOSPHERES
Solubility in Water Description:	Insoluble				
Other Solvents:					

SOLUBILITY IN OTHER SOLVENTS: INSOLUBLE

SECTION 4 - FIRE AND EXPLOSION DATA

	Typical	Low/High	Deg.	Method
Flash Point:	NOT AVAILABLE			
Autoignition:	~ 440			C DIN 51794

Extinguishing Media:

Use water, dry extinguishing media, carbon dioxide (CO₂) or foam.

Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:

Adequate ventilation and cleanup must be maintained to minimize dust accumulation. May form explosive dust-air mixture.

The following can be given off in a fire: nitrogen oxides (NO_x), carbon dioxide (CO₂), hydrogen cyanide.

SECTION 5 - HEALTH EFFECTS

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Toxicology Test Data:

Rat, Oral LD50 - > 2000 MG/KG

Moderately Toxic

Rabbit, Primary Skin Irritation -

Nonirritating

Rabbit, Eye Irritation -

Nonirritating

Acute Overexposure Effects:

Prolonged or repeated contact may cause skin or eye irritation. Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.

Chronic Overexposure Effects:

Intravenous administration of PVP caused changes of the spleen in dogs, rabbits, rats and mice; however, no toxic effects were seen in rats fed diets containing 1% or 10% PVP for two years. Liver effects have been reported in humans receiving intravenous doses of PVP and among humans inhaling hair spray containing PVP. Lung effects were also reported among those exposed to the hair spray.

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

First Aid Procedures - Eyes:

Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

First Aid Procedures - Ingestion:

If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

SECTION 5 - HEALTH EFFECTS (cont)

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Notes to Physicians:

None known.

First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects (if any) observed in animals.

First Aid Procedures - Special Precautions:

None

SECTION 6 - REACTIVITY DATA

Stability Data:

Stable.

Incompatibility:

Strong alkali.

Conditions/Hazards to Avoid:

Avoid dust cloud formation.

Hazardous Decomposition/Polymerization:

Hazardous decomposition products: None known.

Polymerization: Does not occur.

Corrosive Properties:

Not corrosive.

Oxidizer Properties:

Not an oxidizer

SECTION 7 - PERSONAL PROTECTION

Clothing:

Gloves, coveralls, apron, boots as necessary to minimize contact.

Eyes:

Chemical Goggles

Respiration:

If dusts are generated, wear an approved dust respirator.

Ventilation:

Use local exhaust to control dusts.

Explosion Proofing:

None required.

SECTION 8 - SPILL-LEAK/ENVIRONMENTAL

General:

Spills should be contained and placed in suitable containers for disposal in a licensed facility. This material is not regulated by RCRA or CERCLA ("Superfund"). Wear appropriate respiratory protection and protective clothing and provide adequate ventilation during clean-up.

Waste Disposal:

Incinerate in a licensed facility. Do not discharge into waterways or sewer systems.

SECTION 8 - SPILL-LEAK/ENVIRONMENTAL (cont)

Container Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

Other Spill/Leak Procedures:

When product is properly discharged in low concentrations to biological waste water treatment plants it should not cause any disturbances in the degradation activity of the activated sludge.

Environmental Toxicity Test Data:

Golden Orfe, static 96 hr LC50 - > 10000 MG/L

Practically Nontoxic

Fish Toxicity, LC0, 48 hr. - > 10,000 MG/L

Insignificant Hazard

SECTION 9 - STORAGE AND HANDLING

General:

Store at moderate temperatures, in tight containers.

SECTION 10 - REGULATORY INFORMATION

TSCA Inventory Status

Listed on Inventory: YES

Product Grades: USP: NF: FCC: Y

This product is not hazardous according to the OSHA Hazard Communication Standard.

SECTION 11 - TRANSPORTATION INFORMATION

DOT Proper Shipping Name:

N/A

DOT Technical Name:

N/A

DOT Primary Hazard Class:

N/A

DOT Secondary Hazard Class:

N/A

DOT Label Required:

N/A

DOT Placard Required:

N/A

DOT Poison Constituent:

N/A

BASF Commodity Codes: 453 453 UN/NA Code: E/R Guide:

Bill of Lading Description:

NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

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SECTION 11 - TRANSPORTATION INFORMATION (cont)

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