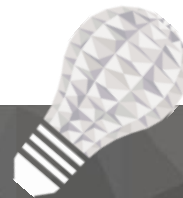
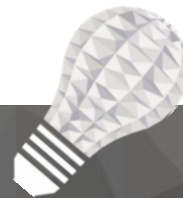


<b>3. COMPOSITION / INFORMATION ON INGREDIENTS</b>		
Component	CAS No.	wt%
Vinyl Alcohol copolymer	Listed	65.0 min.
Methanol	67-56-1	0.5 max.
Methyl Acetate	79-20-9	0.5 max.
Sodium Acetate	127-09-3	1.5 max.
Additive	Listed	32.5 max.
<b>4. FIRST AID MEASURES</b>		
Eye contact	:	Irrigate with flowing water for more than 15 minutes.
Skin contact	:	Wash off with flowing water.
Ingestion	:	Rinse mouth with water. Call a physician, if large amounts are ingested.
Inhalation	:	Rinse mouth with water. Remove to fresh air. Call a physician if needed.
Inhalation of decomposition gas	:	Remove to fresh air. Call a physician, if needed.
<b>5. FIRE-FIGHTING MEASURES</b>		
Hazardous decomposition products	:	Carbon dioxide, some carbon monoxide.
Extinguish media	:	Water, alcohol resistant foam, carbon dioxide and dry chemical.
Fire fighting instructions	:	Firemen should wear normal protective equipment (full bunker gear) and positive-pressure self-contained breathing apparatus.
<b>6. ACCIDENTAL RELEASE MEASURES</b>		
Personal precautions	:	It becomes slippery, when polymer gets wet.
Environmental precautions	:	Keep away from fire sources.
Spillage control	:	Filament - Sweep up and discard. Aqueous solution - Collect the solution and treat with activated sludge.



<b>7. HANDLING AND STORAGE</b>	
Handling	: Avoid prolonged or repeated contact with skin. Wash thoroughly after handling. Avoid eye contact and breathing dust.
Storage conditions	: Store in a cool dry place. All apparatus should be grounded to avoid electrostatic fire sources.
<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
Skin protection	: Protective gloves are preferable.
Eye protection	: Safety goggles are preferable.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance</b>	
Form	: Filament (yellowish, solid at room temperature)
Odour	: None or slightly vinegary
<b>Relevant data</b>	
Melting point	: 150 – 230 °C
Flash point	: More than 70 °C (as powder)
Ignition point	: More than 400 °C (as powder)
Explosive properties	: None
Oxidizing properties	: None
Bulk density	: 0.2 – 0.9
Specific gravity	: 1.2 – 1.3
Solubility	: Soluble in Water. Insoluble in Ethyl acetate, Benzene, Toluene, MIBK
<b>10. STABILITY AND REACTIVITY</b>	
Chemical stability	: Apparent decomposition above 300 °C. Stable at room temperature
Incompatibility	: Material can react with strong oxidizing agents.
<b>11. TOXICOLOGICAL INFORMATION</b>	
Eye irritation (rabbit)	: Minimal irritant (class 3 on a 1 to 8 scale) according to a modified Kay and Calandra classification system.
Skin irritation (rabbit)	: Mild irritant according to the Draize classification scheme.
Skin sensitisation (rat)	: Non-sensitiser according to EU Directive 2001/59/EC



Acute toxicity (rainbow trout) : LC50 of greater than 100 mg/l. (96 Hour).  
Correspondingly the No Observed Effect Concentration was 100 mg/l.

**12. ECOLOGICAL INFORMATION**

Vinyl Alcohol copolymer is degraded by bacteria, such as *Pseudomonas species*.

**13. DISPOSAL CONSIDERATIONS**

Follow all relevant regulations for disposal in your country.  
Filament : Burn in an incinerator.  
Aqueous solution : Treat with activated sludge containing *Pseudomonas sp*.

**14. TRANSPORT INFORMATION**

Land transport; ADR / RID : Not restricted  
Sea transport; IMO/IMDG : Not restricted  
Air transport; IATA-DGR : Not restricted

**15. TRANSPORT INFORMATION**

	Vinyl Alcohol copolymer	Sodium Acetate	Methanol	Methyl Acetate	Additive
CAS No.	Listed.	127-09-3	67-56-1	79-20-9	Listed.
EINECS No.	-	204-823-8	200-659-6	201-185-2	-
ELINCS	Listed.	-	-	-	-
TSCA Inventory	Listed.	Listed.	Listed.	Listed.	Listed.

**16. OTHER INFORMATION**

-The information in this Material Safety Data Sheet (MSDS) is based on current knowledge and experience. No liability can be assumed for the accuracy and completeness of this information.  
-Users should consider this information only as additional to other data gathered. Independent determination of suitability and completeness of information from all available sources is essential to ensure proper and safe use and disposal of these materials.  
-The information in this MSDS applies for this specific material only. It therefore does not apply for its usage in combination with other materials or ways of processing.