

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

INGREDIENT NAME	CAS No	STD	LT EXP[8hrs]	ST EXP[15min]
ETHANOL	64-17-5	OES.	100 ppm	No std.
PROPYLENE GLYCOL	57-55-6	OES.	150 ppm	No std.

INGREDIENT COMMENTS: OES = Occupational Exposure Standard

PROTECTIVE EQUIPMENT:

PROTECTIVE GLOVES:	Use protective gloves
EYE PROTECTION:	Wear approved, tight fitting safety glasses where splashing is probable
HYGIENIC WORK ROUTINES:	Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Gel	COLOR:	Brown
ODOR/TASTE:	VANILLA		
SOLUBILITY DESCRIPTION:	Partially soluble in water		
BOILING POINT[°C]:	-86.1-87.2@760mmHg		
SPECIFIC GRAVITY[Water=1]:	0.85-0.95@N/A°C	PH-VALUE, CONC:	6.0-7.0
FLASH POINT[°C]:	>176 (348.8 °F)		
FLASH POINT METHOD:	CC[Closed cup]		

10. STABILITY AND REACTIVITY

STABILITY:	Normally stable
CONDITIONS TO AVOID:	Avoid excessive heat for prolonged periods of time. Avoid contact with: Strong Mineral acids. Strong alkalis.

11. TOXICOLOGICAL INFORMATION

INGESTION:	May cause discomfort if swallowed. May cause irritation to mucous membranes
SKIN:	May cause skin irritation.
EYES:	May cause irritation to eyes.

INGREDIENT TOXICOLOGICAL DATA ETHANOL

TOXIC DOSE 1 – SD50: 7060mg/kg[oral rat]

INGREDIENT TOXICOLOGICAL DATA PROPYLENE GLYCOL

TOXIC DOSE 1 – LD50: 2500MG/KG[oral rat]

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:	Not regarded as dangerous for the environment.
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13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS	Dispose of in accordance with Local Authority requirements
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14. TRANSPORT INFORMATION

ROAD;	
HAZARD CLASS [ADR]:	Not classified for transportation
RAIL:	

SEA:

AIR:

15. REGULATORY INFORMATION

RISK PHRASES:	Not classified	
SAFETY PHRASES:	S-2	Keep out of reach of children
	S-24/25	Avoid contact skin and eyes

16. OTHER INFORMATION

REVISION DATE:	07-2004
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