

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SUPER FLUSH Item#55032,55128,55550

GENERAL USE: Chemical Additive

PRODUCT DESCRIPTION: Clear liquid, characteristic mild odor

MANUFACTURER'S NAME

Highside Chemicals, Inc.

DATE PREPARED: March 3, 2010

SUPERSEDES: July 22, 2002

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ADDRESS (NUMBER, STREET, P.O. BOX)

11114 Reichhold Road

TELEPHONE NUMBER FOR INFORMATION

(228) 896-9220

(CITY, STATE AND ZIP CODE)

Gulfport, MS 39503

COUNTRY

USA

EMERGENCY TELEPHONE NUMBER

ChemTel Inc. 1- (800) 255-3924 Intl. + 01 (813) 248-0585

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Mild liquid, prolonged contact may cause skin & eye irritation. Ingestion may cause gastric distress. Hazard symbols for this product XI.
Risk Phrases - R36/38

POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations of mist are irritating to the respiratory tract; vaporization is not expected at ambient temperatures.

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis.

EYES: High vapor concentration or contact may cause minimal irritation and discomfort.

INGESTION: Practically non-toxic; may cause gastric distress, vomiting and diarrhea. DO NOT induce vomiting.

CARCINOGENICITY

NTP?

No

IARC MONOGRAPHS?

No

OSHA REGULATED?

No

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	EINECS #	%(by weight)	OSHA PEL		ACGIH TWA		RQ LBS
				PPM	MG/M3	PPM	MG/M3	
Dipropylene glycol methyl ether (a)	34590-94-8	252-104-2	30-60	100	600	100		
Propylene glycol n-butyl ether	5131-66-8	225-878-4	30-60	not established				

(a) Indicates an employee's skin exposure shall be prevented or reduced to the extent necessary in the circumstances through the use of gloves, coveralls goggles, or other appropriate equipment.

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SECTION 4 - FIRST AID MEASURES									
INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.									
SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.									
EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.									
INGESTION: DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs seek immediate medical attention. Small amounts entering mouth should be rinsed out until taste is gone.									
SECTION 5 - FIRE FIGHTING MEASURES									
FLASH POINT (METHOD USED) 160° F (71.1° C) ASTM D-93		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">FLAMMABLE LIMITS</td> <td style="padding: 2px;">LEL: Not determined</td> <td style="padding: 2px;">UEL: Not determined</td> </tr> <tr> <td style="padding: 2px;">AUTOIGNITION TEMPERATURE:</td> <td style="padding: 2px;">Not determined</td> <td style="padding: 2px;">NFPA CLASS: IIA</td> </tr> </table>		FLAMMABLE LIMITS	LEL: Not determined	UEL: Not determined	AUTOIGNITION TEMPERATURE:	Not determined	NFPA CLASS: IIA
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GENERAL HAZARDS: Product is combustible. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.									
EXTINGUISHING MEDIA Carbon dioxide, water, water fog, dry chemical, chemical foam									
FIRE FIGHTING PROCEDURES Self - contained respiratory equipment; cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat. Caution - material is combustible!									
UNUSUAL FIRE AND EXPLOSION HAZARDS Closed containers can explode due to buildup of pressure when exposed to extreme heat.									
HAZARDOUS COMBUSTION PRODUCTS Smoke, fumes, oxides of carbon									
SECTION 6 - ACCIDENTAL RELEASE MEASURES									
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills- wash to sanitary sewer with plenty of water. Large spills-confine spill, soak up with approved absorbent, shovel product into approved container for disposal. Wash area with plenty of water. Do not discharge into lakes, ponds, streams or public waterways.									
SECTION 7 - HANDLING AND STORAGE									
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.									
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION									
ENGINEERING CONTROLS The use of local exhaust ventilation is recommended. No other special controls are indicated.									
PERSONAL PROTECTION:									
RESPIRATORY PROTECTION: None required while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn. Refer to 29 CFR 1910.134, or European Standard EN 149 for complete regulations.									
PROTECTIVE GLOVES: Neoprene or rubber gloves with cuffs.									
EYE PROTECTION: Protective eyeglasses or chemical safety goggles. Refer to 29 CFR 1910.133 or European Standard EN166.									
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby									
WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.									

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES				
APPEARANCE AND ODOR Clear liquid, characteristic mild odor		VAPOR DENSITY (AIR = 1) Not determined		
SPECIFIC GRAVITY (WATER = 1) 0.910		EVAPORATION RATE (Water = 1) < 1		
SOLUBILITY IN WATER Appreciable		% VOLATILE (BY WEIGHT) Not determined		
pH Not applicable		VAPOR PRESSURE <1 mm Hg @ 20° C		
BOILING POINT 340° F (171° C)		FREEZING POINT Not determined		
VISCOSITY Not determined		VOLATILE ORGANIC COMPOUNDS (VOC's) > 99%		
SECTION 10 - STABILITY AND REACTIVITY				
STABILITY UNSTABLE: STABLE: XXX		CONDITIONS TO AVOID: Extreme temperatures		
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids				
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.				
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: XXX		CONDITIONS TO AVOID: None		
SECTION 11 - TOXICOLOGICAL INFORMATION				
Hazardous Ingredients	CAS #	EINECS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species
Dipropylene glycol methyl ether (a)	34590-94-8	252-104-2	5135 mg / kg Oral - rat	Not established
Propylene glycol n-butyl ether	5131-66-8	225-878-4	3300 mg / kg Oral - rat	Not determined
SECTION 12 - ECOLOGICAL INFORMATION				
No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.				
SECTION 13 - DISPOSAL CONSIDERATIONS				
WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. This product may produce hazardous vapors or fumes in a closed disposal container creating a dangerous environment. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. Do not flush to sanitary sewer or waterway. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.				
SECTION 14 - TRANSPORT INFORMATION				
PROPER SHIPPING NAME: Not regulated				
DOT HAZARD CLASS / Pack Group: Not regulated REFERENCE: Not applicable UN / NA IDENTIFICATION NUMBER: None LABEL: None Required HAZARD SYMBOLS: None		IATA HAZARD CLASS / Pack Group: Not regulated IMDG HAZARD CLASS: Not regulated RID/ADR Dangerous Goods Code: Not regulated UN TDG Class / Pack Group: Not regulated Hazard Identification Number (HIN):None		
Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.				

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SECTION 15 - REGULATORY INFORMATION																							
<p>TSCA (Toxic Substance Control Act) All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory).</p> <p>SARA TITLE III (Superfund Amendments and Reauthorization Act) 311/312 Hazard Categories None</p> <p>313 Reportable Ingredients: None</p> <p>CERCLA (Comprehensive Response Compensation and Liability Act) None</p> <p>California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986 There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.</p> <p>CPR (Canadian Controlled Products Regulations) This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.</p> <p>IDL (Canadian Ingredient Disclosure List) Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.</p> <p>DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List) Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.</p> <p>EINECS (European Inventory of Existing Commercial Chemical Substances) Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.</p> <p>WGK Water Quality Index: 1 VbK Index: A I</p>																							
Risk Phrases R36 Irritating to eyes. R38 Irritating to skin.	SYMBOL(S) REQUIRED FOR LABEL Irritant	Safety Phrases S2 Keep out of reach of children S24 Avoid contact with skin. S25 Avoid contact with eyes																					
SECTION 16 - OTHER INFORMATION																							
No specific notes																							
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REVISION SUMMARY: This MSDS has been revised in the following sections: Format update; Section 14, DOT classification		MSDS Prepared by: Highside Chemicals, Inc. 11114 Reichold Road Gulfport, MS USA 39503 (800) 359-5599 Intl. 01+ (228) 896-9220 www.highsidechem.com																					
The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.																							