



# Safety Data Sheet

Preparation Date 20-May-2015

Revision date July 31, 2017

Revision Number: 3

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product Description: Stam 80 EDF -CA

### Other means of identification

Item#: 12U-174  
UN-No UN3077  
Synonyms Not Available  
Registration number(s) 71085-38

### Recommended use of the chemical and restrictions on use

Recommended use Herbicide.  
Uses advised against Activities contrary to label recommendation

### Details of the Supplier of the Safety Data Sheet

#### Supplier Address

RiceCo LLC  
5100 Poplar Avenue, Suite 2428  
Memphis. Tennessee  
38137

#### Emergency telephone number

Company Phone Number (888)835-1313  
Emergency telephone number (Chemtrec: (800) 424-9300 (24hrs)  
Medical: Rocky Mountain Poison Control Center: (866) 673-6671 (24hrs)

## 2. Hazards Identification

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Dermal	Category 5
Acute toxicity - Inhalation (Gases)	Category 3
Acute toxicity - Inhalation (Vapors)	Category 3
Acute toxicity - Inhalation (Dusts/Mists)	Not classified

### Label elements

#### EMERGENCY OVERVIEW

**DANGER**

#### hazard statements

Harmful in contact with skin  
HARMFUL IF INHALED



<b>appearance</b> tan	<b>Physical state</b> solid	<b>Odor</b> odorless
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**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

In case of inadequate ventilation wear respiratory protection

IF ON SKIN: Wash with plenty of soap and water

Call a POISON CENTER or doctor if you feel unwell

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

Call a POISON CENTER or doctor if you feel unwell

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

U.S. Environmental Protection Agency, Office of Pesticide Programs, Registration Division, Washington, DC 20460

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### 3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
HiSil 233	112926-00-8	4	
Propanil	709-98-8	81	

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. First aid measures

**FIRST AID MEASURES****Eye contact**

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin contact**

Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.

**Inhalation**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion**

Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Do not give any liquids. Never give anything by mouth to an unconscious person.

**Protection of First-aiders**

Use personal protective equipment.

**Most Important Symptoms and Effects, Both Acute and Delayed**

**Most Important Symptoms and Effects** No information available.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

**Notes to physician** Treat symptomatically.

## 5. Fire-fighting measures

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>).  
Use: Dry chemical. Water spray. alcohol-resistant foam.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous combustion products** Can emit toxic fumes under fire conditions. Hydrogen chloride. Chlorine.

**Explosion data**

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Remove all sources of ignition. Avoid contact with the skin and the eyes. Provide adequate ventilation.

**Environmental Precautions**

**Environmental precautions** Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up**

**Methods for Clean-Up** Pick up and transfer to properly labelled containers. Dam up. Soak up with inert absorbent material.

## 7. Handling and Storage

**Precautions for safe handling**

**Handling** Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Avoid dust formation. Remove all sources of ignition. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Protect from light. Keep in properly labelled containers.

**incompatible materials** Strong oxidizing agents. Strong acids. Strong bases.

Chemical name	ACGIH TLV	OSHA PEL
HiSil 233		(vacated) TWA: 6 mg/m <sup>3</sup> TWA: 20 mppcf : (80)/(%) SiO <sub>2</sub> mg/m <sup>3</sup> TWA

**Engineering controls** Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

#### Personal protective equipment

##### **Eye/Face Protection**

Use eye protection to avoid eye contact. Where there is potential for eye contact have eye flushing equipment available. If splashes are likely to occur, wear: Goggles.

##### **Skin protection**

Long sleeved clothing. Wear protective gloves/clothing. Solvent-resistant apron and boots. Impervious gloves.

##### **Respiratory protection**

Select respirator with an organic vapor cartridge with prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with organic vapor cartridge or canister with any N,P,R, or HE filter.

#### **General hygiene considerations**

Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear respiratory protection.

## 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Physical state</b>	solid	<b>Odor</b>	odorless
<b>appearance</b>	tan		
<b>color</b>	No information available		

#### Property

#### VALUES

F Ya Uf\_g# ; A Yh\_cX''

<b>pH</b>	9
<b>Melting point/freezing point</b>	10 °C / 50 °F
<b>Boiling Point/Range</b>	No information available
<b>Flash Point</b>	No information available
<b>Evaporation Rate</b>	No information available
<b>flammability (solid, gas)</b>	No information available
<b>Flammability limit in air</b>	
<b>Upper Flammability Limit</b>	No information available
<b>Lower Flammability Limit</b>	No information available
<b>vapor pressure</b>	No information available
<b>Vapor Density</b>	No information available
<b>Specific gravity</b>	0.55-0.62 g/cc
<b>Water solubility</b>	No information available
<b>Solubility in Other Solvents</b>	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

#### OTHER INFORMATION

<b>Softening point</b>	No information available
<b>molecular weight</b>	No information available
<b>VOC Content</b>	No information available
<b>density</b>	No information available
<b>Bulk density</b>	No information available

## 10. Stability and Reactivity

**Reactivity**

no data available

**Chemical stability**

Stable under normal conditions. Hazardous polymerisation does not occur.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous polymerization** Hazardous polymerisation does not occur.**Conditions to avoid**

Extremes of temperature and direct sunlight.

**incompatible materials**

Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapours. Hydrogen chloride. chloroanilines. Organic acids.

**11. Toxicological Information****Information on Likely Routes of Exposure****Product information**

Stam 80 EDF  
 Oral LD50 ( rat ) = > 3000 mg/kg  
 Dermal LD50 (rat) = > 2000 mg/kg  
 Inhalation LC50 (rat) = 6.0 mg/L [for similar material]

**Inhalation** May cause irritation of respiratory tract.  
**Eye contact** Moderately irritating to the eyes.  
**Skin contact** May be harmful if absorbed through the skin.  
**Ingestion** HARMFUL IF SWALLOWED.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propanil 709-98-8	-	= 4830 mg/kg ( Rabbit )	= 2.8 mg/L ( Rat ) 4 h

**Information on Toxicological Effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** The information below indicates whether any agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
HiSil 233 112926-00-8	-	Group 3		-

**Reproductive effects** Not Available.  
**STOT - Single Exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** Avoid repeated exposure.  
**Aspiration hazard** No information available.

**Numerical Measures of Toxicity - Product information**

**LD50 Oral** > 3000 mg/kg (rat)  
**LD50 Dermal** > 2000 mg/kg (rat)

**LC50 Inhalation:** Inhalation LC50 6.0 mg/l for similar material

**12. Ecological Information**

Marine Pollutant.

**ecotoxicity**

for active ingredient - Propanil  
 Bluegill sunfish 96 hr LC50 = 5.4 mg/L  
 Rainbow trout 96 hr LC50 = 2.3 mg/L  
 Quail Oral LD50 = 196 mg/kg  
 Quail 8 day dietary LC50 = 2861 ppm  
 Mallard duck 8 day dietary LC50 = 5627 ppm  
 Daphnia magna 48 hr EC50 = 0.14 mg/L  
 Estuarine and marine organism 48-96 hr EC50 = 0.4 - 5.8 mg/L

**Persistence/Degradability**

No information available.

**Bioaccumulation/ Accumulation**

Bioaccumulative potential.

Chemical name	Log Pow
Propanil 709-98-8	3.07

**Other Adverse Effects**

No information available

**13. Disposal Considerations**

**Waste Treatment Methods**

**Waste Disposal Method** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Contaminated packaging** Refer to product label.

**14. Transport Information**

**DOT** When shipped domestically by highway in non-bulk containers this product can be shipped as not regulated.

<b>UN-No</b>	UN3077
<b>Proper shipping name</b>	Environmentally hazardous substances, solid, n.o.s (Propanil)
<b>Hazard class</b>	9
<b>Packing group</b>	PG III
<b>Marine Pollutant</b>	Marine Pollutant.

**ICAO**

<b>UN-No</b>	UN3077
<b>Proper shipping name</b>	Environmentally hazardous substance, solid, n.o.s (Propanil)

<b>Packing group</b>	PG III
<b>Description</b>	Marine Pollutant

**IATA**

<b>UN-No</b>	UN3077
<b>Proper shipping name</b>	Environmentally hazardous substances, solid, n.o.s (Propanil)
<b>Hazard class</b>	9
<b>Packing group</b>	PG III
<b>Description</b>	Marine Pollutant

**IMDG/IMO**

<b>UN-No</b>	UN3077
<b>Proper shipping name</b>	Environmentally hazardous substances, solid, n.o.s (Propanil)
<b>Hazard class</b>	9
<b>Packing group</b>	PG III
<b>EmS No.</b>	F-A,S-F
<b>Marine Pollutant</b>	Yes

## 15. Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**signal word** CAUTION

**Ventilation Control** PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170. When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240 (d) (4-6) ], the handler PPE requirements may be reduced or modified as specified in the WPS.

**Keep out of Reach of Children. Harmful if absorbed through the skin. Harmful if swallowed. Causes moderate eye irritation. Toxic to fish and aquatic invertebrates.**

**International Inventories**

<b>USINV</b>	Not determined
<b>DSL/NDSL</b>	Not determined
<b>EINECS/ ELINCS</b>	Does not comply
<b>ENCS</b>	Does not comply
<b>China</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372:

Chemical name	SARA 313 - Threshold Values
Propanil - 709-98-8	1.0

**SARA 311/312 Hazardous**

**Categorization**

Acute health hazard	yes
Chronic health hazard	yes
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	yes

**CERCLA**

SARA Product RQ 0

**RCRA**

**Pesticide Information**

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
HiSil 233 112926-00-8 ( 4 )			X	
Propanil 709-98-8 ( 81 )			X	Present

**State Regulations**

**State Right-to-Know**

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
HiSil 233	X	X	X		
Propanil		X			

**International regulations**

**U.S. EPA Label information**

EPA Pesticide registration number 71085-38

**16. Other Information**

**NFPA** HEALTH 1 flammability 0 Instability 0 Physical hazard -

Preparation Date 20-May-2015

Revision date 20-May-2015

**Revision Summary**

Update to GHS format

Update emergency contact numbers

**End of MSDS**