

# MATERIAL SAFETY DATA SHEET

NOROX<sup>®</sup> DCP

Syrgis Performance Initiators, Inc.

Helena, AR

SECTION 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY					
PRODUCT NAME MANUFACTURERNOROX®MANUFACTURER ADDRESSSyrgis Per 334 PhilliCHEMICAL NAME CHEMICAL FAMILYDicumyl F Organic F	DCP prformance Initiators, Inc. ps 311 Rd., Helena, AR 72342 Peroxide (DCP) Peroxide - Dialkyl Peroxide	TELEPHONE CHEMTREC (24hr) (USA) (Maritime/International) CAS NO. CHEMICAL FORMULA	870-572-2935 800-424-9300 703-527-3887 80-43-3 C <sub>18</sub> H <sub>22</sub> O <sub>2</sub>		
SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS					
COMPONENTS Dicumyl Peroxide	<u>CAS NO.</u> 80-43-3	<u>%</u> ≥9	8		
SECTION 3 - HAZARD IDENTIFICATION OF THE PREPARATION					
PHYSICAL HAZARDS HEALTH HAZARDS EXPOSURE LIMITS ROUTES OF EXPOSURE Skin Absorption Eye Contact Ingestion Inhalation EFFECTS OF OVER- EXPOSURE	Organic Peroxide - Decomposition Irritant. None established. May cause irritation and redness Eye contact may produce inflam Mildly toxic by ingestion. May be toxic by inhalation There are no known medical com by exposure.	on. May cause fire. of the skin. mation ditions, which are recognized a	as being aggravated		
SECTION 4 - FIRST-AID MEASURES					
SKIN EYES INGESTION INHALATION	Immediately remove any contam thoroughly with soap and copiou irritation or adverse symptoms d Remove any contact lenses at ou Ensure adequate flushing by sep adverse symptoms develop, see Contact a physician, hospital or VOMITING. Remove to fresh air, if coughing, other symptoms develop, seek m several hours after the exposure.	inated clothing. Wash contam s amounts of water for at least evelop, seek medical attention. nce. Flush eyes with water for parating the eyelids with fingers k medical attention. Poison Control Center at once. breathing becomes labored, in nedical attention at once, even	inated area 15 minutes. If at least 15 minutes. If irritation or DO NOT INDUCE ritation develops or if symptoms develop		
SECTION 5 - FIRE-FIGHTING MEASURES					
FLASH POINT: FLAMMABLE LIMITS AUTOIGNITION POINT FIRE EXTINGUISHER MEDIA SPECIAL FIRE FIGHTING PROCEDURES UNUSUAL FIRE AND EXPLOSION	127°C (261°F), SETA CC Not established. Not established. Water from a safe distance - pre other means such as carbon dio effective. Evacuate all unnecessary person should be equipped with protecti area, cool the containers with wa During a fire, irritating and highly decomposition or combustion	ferably with a fog nozzle. In ca xide, foam or dry chemical extinent. Fight fire from a safe dist ve clothing and SCBA's. In cas ater spray. ( toxic gases may be generated contact with other material may	ase of very small fires, nguishers may be ance. Firemen se of fire near storage		
ΠΑΔΑΚυσ	of decomposition of the peroxide may occur under fire conditions. possible.	adds to the heat of the fire. C May explode when exposed to	ontainer explosion b heat. Self ignition is		

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE Using PPE described in Section 8, sweep up spilled material immediately and place in a clean, DOT approved drum. Avoid raising dust. Do not allow material to flow into common drains.

# **SECTION 7 - HANDLING AND STORAGE**

HANDLING STORING	Keep containers tightly cle oldest material first. New decomposition and/or rea Avoid skin, eye and clothi ventilation. Avoid prolong equipment recommended and wash contaminated c Keep material in its origin direct sunlight or other so Store in an isolated, cool (27°C) is recommended. degradation, gassing and explosion.	psed to prevent contamination. For add to hot solvents or monom ction may result. <u>DO NOT USE</u> ng contact. Avoid breathing dus ged or repeated exposure. Wear in Section 8. Wash thoroughly lothing promptly. al container away from any inco urces of heat. <u>DO NOT STORE</u> and well-ventilated area. Store a Storage at elevated temperature potential container rupture which	Rotate stock using the ers as a violent <u>NEAR FOOD OR DRINK</u> . Its and use with adequate personal protection after handling. Remove mpatible materials, sparks, <u>WITH FOOD OR DRINK</u> . at temperatures below 80°F as will cause product h, can result in a fire and/or	
SECTION 0 - EXI	-USURE CONTR	UL/FERSONAL PRO		
VENTILATION RESPIRATORY PROTECTION	Use with adequate ventilation. If airborne concentrations are expected to exceed acceptable levels wear a NIOSH approved air-purifying respirator with an organic vapor cartridge or canister. When using respirators refer to OSHA's 29CER 1910 134			
EYE PROTECTION HAND PROTECTION	Safety goggles recommended. Protective gloves recommended, solvent resistant. (Neoprene, nitrile or polyethylene)			
OTHER	A safety shower and eyev	vash.		
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES				
APPEARANCE AND ODOR	White granular solid with	a slight odor.		
BOILING POINT:	Decomposes.	SPECIFIC GRAVITY:	1.0	
VAPOR PRESSURE:	15.4 mm Hg	FLASH POINT:	127°C (261°F), SETA CC	
VAPOR DENSITY:	>1 (Air=1)	FLAMMABLE LIMITS:	Not established.	
EVAPORATION RATE:	N/A	SADT	70°C (158°F)	
% VOLATILE BY VOLUME:	N/A Nagligible	pH:	Not applicable.	
SOLUBILITY IN WATER:	Negligible.			
SECTION 10 - STABILITY AND REACTIVITY				
STABILITY	Stable unless exposed to	incompatible materials or excess	sive heat.	
CONDITIONS TO AVOID	Avoid contamination. Do not store in direct sunlight. Temperatures above SADT.			
MATERIALS TO AVOID	Mineral acids, oxidation catalysts, reducing agents, and Friedel-Craft type catalysts,			
HAZARDOUS DECOMPOSITION	Carbon monoxide/dioxide			

HAZARDOUS DECOMPOSITION PRODUCTS HAZARDOUS POLYMERIZATION

Will not occur.

# **SECTION 11 - TOXICOLOGICAL INFORMATION**

Dicumyl Peroxide Hazard Data: Toxicity Oral: Rat--LD<sub>50</sub>: 4100 mg/kg.

Unreported: Rat--LD<sub>50</sub>: 3500 mg/kg. Additional Data

Oral: Rat--LD<sub>50</sub>: 4100 mg/kg.

Inhalation: Rat--LC<sub>50</sub>: > 224 mg/kg.

# SECTION 12 - ECOLOGICAL INFORMATION

No data is available on the preparation itself. The product should be prevented from entering drains, sewers, streams, etc.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved facility. Processing, use, or contamination of this product may change the waste management options.

Immediately dispose of waste material at a RCRA approved hazardous waste management facility in accordance with federal, state and local regulations.

### **SECTION 14 - TRANSPORT INFORMATION**

**DOT Shipping Name:** 

ORGANIC PEROXIDE TYPE F, SOLID (DICUMYL PEROXIDE, ≤100%) 5.2 UN3110

**DOT Hazard Class:** UN/NA ID No.: **DOT Packing Group:** 

Labels:

5.2 (Organic Peroxide) 2004 ERG GUIDE NO: 145

PG II

## **SECTION 15 - REGULATORY INFORMATION**

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**Chemical Name** None

#### **CAS Number** N/A

Percent N/A

Australian Inventory of Chemical Substances (AICS)

The ingredients in this product are listed in the Australian AICS Inventory.

#### Canadian Domestic Substances List (DSL)

The ingredients in this product are listed in the Canadian DSL Inventory.

Chinese Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC) The ingredients in this product are listed in the Chinese IECSC Inventory.

European Inventory of Existing Commercial Chemical Substances (EINECS) The ingredients in this product are listed in the European EINECS Inventory.

Japanese Exiting and New Chemical Substances (ENCS)

The ingredients in this product are listed in the Japanese ENCS Inventory.

#### Korean Existing Chemicals List (ECL)

The ingredients in this product are listed in the Korean ECL Inventory.

Philippines Inventory of Chemicals and Chemical Substances (PICCS)

The ingredients in this product are listed in the Philippines PICCS Inventory.

## US Toxic Substances Control Act (TSCA)

The ingredients in this product are listed in the US TSCA Inventory.

#### Status of Carcinogicity

Not recognized as a carcinogen by the IARC, NTP or OSHA.

# NOROX<sup>®</sup> DCP

# **SECTION 16 - OTHER INFORMATION**

#### NFPA 432 Organic Peroxide Classification

Class IV

#### NFPA 704 Rating

Health	Flammability	<u> </u>
2	2	

<u>Reactivity</u> 2 HMIS Rating Health 1

<u>Flammability</u> 2

Reactivity 1

MSDS Reference: DCP MSDS 0709

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