MATERIAL SAFETY DATA SHEET

John C Dolph (a Von Roll Company)

DOLPHON®

CC-1094-B

Reactor

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer Name: John C Dolph (a Von Roll Company)
Address: 320 New Road, Monmouth Junction, New Jersey 08852
Business Phone: 732-329-2333
Business Fax: 732-329-1143
CHEMTREC: For transportation emergencies 703-527-3887 (US call 800-424-9300)
24-Hour Emergency: 518-395-3310
Manufacturer MSDS Creation Date: 03/2005
Manufacturer MSDS Revision Date: 06/2013

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name Methyl ethyl ketone peroxide	**CAS#** 1338-23-4	**% Weight** 36-40	**OSHA PEL** Not Established	**ACGIH TLV** Ceiling 1.5 mg/m^3
Chemical Name Dimethyl phthalate	**CAS#** 131-11-3	**% Weight** 30-40	**OSHA PEL** 5 mg/m^3 (TWA)	**ACGIH TLV** 5 mg/m^3 (TWA)

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview:

May be harmful or fatal if swallowed
May cause allergic skin reaction
May be irritating or corrosive to the skin and/or eyes.

SECTION 4: FIRST AID MEASURES

Eye Contact:

Immediately flush eyes with plenty of water for at least 20 minutes. Assure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention if irritation persists, or symptoms of overexposure become apparent.

Skin Contact:

Immediately wash skin with plenty of water and soap for at least 20 minutes, while removing contaminated clothing and shoes. Get medical attention especially, if irritation develops, persists, or symptoms of overexposure become apparent.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Keep warm. Get immediate medical attention.

Ingestion:

If swallowed, call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting unless instructed by medical personnel. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:

>200°F (93.3°C)

Upper Flammable or Explosive Limit:

Not Established

Lower Flammable or Explosive Limit:

Not Established

Extinguishing Media:

In the event of a fire involving this material, alone or in combination with other materials, use dry chemicals, carbon dioxide, universal foam extinguishing media or water fog.

Fire Fighting Instructions:

Evacuate area and fight fire from a safe distance. Containers can build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers. Explosive vapor-air mixture could form after the initial fire is extinguished. Use water spray to disperse vapors if a spill or leak has not ignited. Water runoff can cause environmental damage. Dike and collect water used to fight fire. See Section 13 for disposal considerations.

Protective Equipment:

Wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

NFPA

Health:	3
Flammability:	2
Instability:	2

Other: OX

SECTION 6: ACCIDENTIAL RELEASE MEASURES

Spill Cleanup Measures:

Remove all sources of ignition. Absorb spill with dry inert material (e.g., dry sand or earth), then place in a chemical waste container. Clean up spills immediately observing precautions in the protective equipment section.

Environmental Precautions:

Contain liquid to prevent contamination of soil, surface water or ground water. Avoid runoff into storm sewers and ditches, which lead to waterways. Do not flush to sewer.

Spill/Release Reporting:

Immediately notify authorities of any reportable spill as may be required pursuant to regulations. See Section 15 for applicable CERCLA reportable quantities.

SECTION 7: HANDLING and STORAGE

Storage:

Store in a cool, dry, well ventilated area away from sources of heat and incompatible substances. Keep container tightly closed when not in use. Store at temperatures below 80°F (27°C). Consult manufacturer for shelf life.

Hygiene Practices:

Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended and or regulated exposure limits. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Skin Protection Description:

Wear suitable protective clothing to prevent contact with skin.

Hand Protection Description:

Wear appropriate protective gloves such as rubber. Consult glove manufacturers for glove permeability data.

Eye/Face Protection:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Clothing/Body Protection:

If splashing is likely, wear impervious clothing and boots to prevent repeated or prolonged skin contact. Consult your supplier of personal protective equipment for additional instructions on proper usage.

Respiratory Protection:

A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited to airborne concentrations that are typically within 10 times the exposure limit. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirators use.

Other Protective:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:

Liquid

Decomposition Temperature:

68°C

Vapor Pressure:

NA

Vapor Density:

NA

Boiling Point:

No data

Freezing Point:

No data.

Specific Gravity:

1.1 ±0.1

Flashpoint:

>200°F (93.3°C)

Upper Flammable Explosive Limit:

Not Established

Lower Flammable Explosive Limit:

Not Established

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:

Stable

Incompatibilities with Other Materials:

Organic materials; finely powdered metals

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Methyl Ethyl Ketone Peroxide:

Carcinogenicity:

Not listed by the National Toxicology Program (NTP) Annual Report on Carcinogens or by the International Agency for Research on Cancer (IARC) Monographs, or by the Occupational Safety and Health Administration (OSHA).

Eye Effect:

Eye - rabbit: Corrosive

Skin Effects:

Skin - rabbit LD_{50}: 4000 mg/kg

Ingestion Effects:

Oral - rat LD_{50}: 1017 mg/kg

Inhalation Effects:

Inhalation – mouse, LC_{50}: 17 mg/l for 4 hours

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

No data.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines, by a licensed disposal company.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name:

Organic Peroxide Type D Liquid (Methyl Ethyl Ketone Peroxides, =<45%)

DOT UN Number:

UN 3105

DOT Hazard Class: 5.2

DOT Packing Group: II

SECTION 15: REGULATORY INFORMATION

All ingredients

TSCA 8(b): Inventory Status

Listed

Methyl Ethyl Ketone Peroxide:

State:

May be found on the following state right to know lists: New Jersey,

Dimethyl phthalate:

State:

May be found on the following state right to know lists: New Jersey,

SECTION 16: ADDITIONAL INFORMATION

HMIS

Health:	*3
Fire Hazard:	2
Physical Hazard:	2

Disclaimer:

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