
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04
Replaces 8/12/03
Printed 2/03/04

FLOCULITE 402**MSDS ID: 02200**

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: FLOCULITE 402

Product Descriptor: Coagulant/Flocculent

MANUFACTURER: JOHNSON DIVERSEY, INC.
3630 E. KEMPER ROAD
CINCINNATI, OH. 45241EMERGENCY PHONE NUMBER: (800) 851-7145

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
PETROLEUM DISTILLATE HYDROTREATED LIGHT	64742-47-8	15 - 30%	PEL 400	PPM

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION-Contains petroleum distillates that may cause eye irritation. May be harmful if swallowed. Avoid contact with eyes or clothing. Prolonged contact with undiluted product may cause defatting of skin. Avoid breathing mists which may cause respiratory irritation. Contain spill and runoff to prevent any environmental damage.

POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: May cause irritation with pain and swelling. SKIN: May cause irritation with redness, swelling and possible pain. INGESTION: If swallowed, may cause gastric distress, diarrhea, vomiting and possible depression of the central nervous system (CNS). INHALATION: Spray or mists may cause irritation to nose, throat and respiratory tract.

CHRONIC: Contact dermatitis or sensitization.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis, sensitive skin, pulmonary function and asthma.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes, skin and respiratory tract.

IV. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. Get medical attention.

SKIN: Flush thoroughly with plenty of water. Wash with soap and water. Remove contaminated clothes and shoes and clean before reuse. Get medical attention for any painful, red or injured skin.

INGESTION: Contains petroleum distillates. Do not induce vomiting because of aspiration hazard. Do not give liquids by mouth except by order of a physician. Contact a physician or Poison Center.

INHALATION: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention, immediately.

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V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): 145 FLAME EXTENSION: N/A
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: 7.0 UEL: 0.6
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Toxic fumes or vapor may form during fire.
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.
SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:
Turn off ignition sources. Contain spill. Absorb onto clay or sand. Place in covered metal container. Wash spill area with soap and water. Dispose of waste in accordance with environmental regulations.
This product does not contain a reportable quantity (RQ) under CERCLA.

VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: COMBUSTIBLE PRODUCT. Store in a cool area away from sparks, heat and open flames. Use with ventilation. Keep container closed when not in use. Do not pressurize container to empty.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: Safety glasses with side shields. Eye wash in use area if contact or splash hazard exists.
PROTECTIVE GLOVES: Nitrile, Neoprene, or other oil resistant materials.
RESPIRATORY PROTECTION: Respirator protection required if PEL is exceeded. See Section II for information.
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Eyewash and safety shower in area if contact or splash hazard exists.
ENGINEERING CONTROLS:
MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.
LOCAL VENTILATION: Local exhaust ventilation may be necessary to control any air contaminants to within their Threshold Limit Values (TLV's) during the use of this product.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: White emulsion, solvent odor.

BOILING POINT (DEG F): 200	FREEZING POINT: ND
SPECIFIC GRAVITY/BULK DENSITY: 1.03	
pH: ND	pH 1% SOLUTION: ND
VOLATILE BY VOLUME: 60	
SOLUBILITY IN WATER: Miscible	
VAPOR PRESSURE(mmHg): ND at ND	VAPOR DENSITY: ND

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X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.
INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids, strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon, nitrogen and sulfur.
HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

No data available.
TOXICITY TEST DATA:
No data available.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY DATA: Contains petroleum chemicals which are water insoluble. Do not discharge waste or unused product to sanitary sewer, ponds, waterways or the environment. Dispose of by label or governmental regulations.
ECOTOXICITY TEST DATA: No data available.
ENVIRONMENTAL FATE: No data available.

XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not RCRA Regulated.
Contains petroleum products. Do not discharge to water or sewer. Arrange waste disposal through a licensed disposal company. Dispose of or recycle empty container by product labeling or governmental regulations.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:
TSCA: All ingredients in this product are on TSCA inventory.
HAPS: Contains no hazardous air pollutants.
VOC CONTENT (EPA Method 24A): % VOC: ND Lb/Gal VOC: ND
CERCLA/EPCRA:
Section 313 Toxic Chemicals: None
SARA Section 311/312:
ACUTE:NO CHRONIC:NO FIRE:NO REACTIVITY:NO
SUDDEN RELEASE OF PRESSURE:NO
LISTED CARCINOGEN: NONE
NTP: NO IARC: NO OSHA: NO
HMIS RATINGS: HEALTH: 2 FIRE: 1 REACTIVITY: 0
PERSONAL PROTECTIVE EQUIPMENT: C
NFPA RATING: HEALTH: 1 FIRE: 2 REACTIVITY:0 SPECIAL:COMBUSTIBLE
STATE RIGHT-TO-KNOW INFORMATION:
PETROLEUM DISTILLATES CAS #64742-47-8

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XV. REGULATORY INFORMATION (Cont.)

WATER CAS #7732-18-5

ACRYLAMIDE POLYMER - CAS #69418-26-4

CALIFORNIA PROPOSITION 65:

This product contains acrylamide and acrylamide based polymer which are known to the state of California to cause cancer and birth defects or other reproductive harm.

XVI. OTHER INFORMATION

DISCLAIMER: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.