

IB WATER STOP 602471

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

| | | |
|--------------------|-------------------------------|-----------------------------------|
| Ashland | Regulatory Information Number | 1-800-325-3751 |
| P.O. Box 2219 | Telephone | 614-790-3333 |
| Columbus, OH 43216 | Emergency telephone | 1-800-ASHLAND (1-800-274-5263) |

| | |
|-------------------------|---------------|
| Product name | IB WATER STOP |
| Product code | 602471 |
| Product Use Description | No data |

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, grey

CAUTION! COMBUSTIBLE LIQUID AND VAPOR. MAY BE HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN, CAUSE IRRITATION AND BURNS.

Potential Health Effects

Routes of exposure

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

Eye contact

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin contact

Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get

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into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), Individuals with preexisting heart disorders maybe more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), lung irritation, Blistering, central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness)

Target Organs

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rat and the kidney effects are not expected to occur in humans., Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA). This product (or a component) is a petroleum-derived material. Similar materials and certain compounds occurring naturally in petroleum oils have been shown to cause skin cancer in laboratory animals following repeated exposure without washing or removal.

Reproductive hazard

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS-No. | Concentration |
|--|----------------|----------------------|
| CALCIUM CARBONATE | 471-34-1 | >=1.5-<5% |
| MINERAL SPIRITS REGULAR (BASE DATA) | 8052-41-3 | >=1.5-<5% |
| KAOLIN | 1332-58-7 | >=1-<1.5% |

4. FIRST AID MEASURES**Eyes**

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

Treatment: No information available.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water mist, Carbon dioxide (CO₂), Dry chemical

Hazardous combustion products

carbon dioxide and carbon monoxide, various hydrocarbons

Precautions for fire-fighting

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Flammability Class for Flammable Liquids

Combustible Liquid Class II

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

Environmental precautions

No data

Methods for cleaning up

Absorb liquid on vermiculite, floor absorbent, or other absorbent material and transfer to hood.

7. HANDLING AND STORAGE

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Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

Storage

Store in a cool, dry, ventilated area, away from incompatible substances.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| CALCIUM CARBONATE | | 471-34-1 | |
|--|---|------------------|----------------------|
| US CA OEL | Time Weighted Average (TWA) Permissible Exposure Limit (PEL): | 5 mg/m3 | Respirable fraction. |
| US CA OEL | Time Weighted Average (TWA) Permissible Exposure Limit (PEL): | 10 mg/m3 | Total dust. |
| NIOSH | Recommended exposure limit (REL): | 5 mg/m3 | Respirable. |
| NIOSH | Recommended exposure limit (REL): | 10 mg/m3 | Total |
| OSHA Z1 | Permissible exposure limit | 5 mg/m3 | Respirable fraction. |
| OSHA Z1 | Permissible exposure limit | 15 mg/m3 | Total dust. |
| OSHA Z1A | time weighted average | 5 mg/m3 | Respirable fraction. |
| OSHA Z1A | time weighted average | 15 mg/m3 | Total dust. |
| MINERAL SPIRITS REGULAR (BASE DATA) | | 8052-41-3 | |
| ACGIH | time weighted average | 100 ppm | |
| NIOSH | Recommended exposure limit (REL): | 350 mg/m3 | |
| NIOSH | Ceiling Limit Value and Time Period (if specified): | 1,800 mg/m3 | |
| OSHA Z1 | Permissible exposure limit | 500 ppm | |
| OSHA Z1 | Permissible exposure limit | 2,900 mg/m3 | |
| OSHA Z1A | time weighted average | 100 ppm | |

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| | | |
|-----------|---|-----------|
| OSHA Z1A | time weighted average | 525 mg/m3 |
| US CA OEL | Time Weighted Average (TWA) Permissible Exposure Limit (PEL): | 100 ppm |
| US CA OEL | Time Weighted Average (TWA) Permissible Exposure Limit (PEL): | 525 mg/m3 |

KAOLIN

1332-58-7

| | | | |
|-----------|---|----------|----------------------|
| ACGIH | time weighted average | 2 mg/m3 | Respirable fraction. |
| NIOSH | Recommended exposure limit (REL): | 5 mg/m3 | Respirable. |
| NIOSH | Recommended exposure limit (REL): | 10 mg/m3 | Total |
| US CA OEL | Time Weighted Average (TWA) Permissible Exposure Limit (PEL): | 2 mg/m3 | Respirable dust. |
| OSHA Z1 | Permissible exposure limit | 5 mg/m3 | Respirable fraction. |
| OSHA Z1 | Permissible exposure limit | 15 mg/m3 | Total dust. |
| OSHA Z1A | time weighted average | 5 mg/m3 | Respirable fraction. |
| OSHA Z1A | time weighted average | 10 mg/m3 | Total dust. |

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or

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your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves such as:

Nitrile rubber

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| Physical state | liquid |
| Form | No data |
| Colour | grey |
| Odour | No data |
| Boiling point/boilingrange | 347.50 °C / 657.5 °F |
| pH | No data |
| Flash point | 104 °F / 40 °C, Tag closed cup |
| Evaporation rate | 9.2 |
| Explosion limits | 0.5 %(V) 6 %(V) |
| Vapour pressure | 45.00 mmHg @ 78.00 °F / 25.56 °C |
| Vapour density | 5 (AIR=1) |
| Density | 1.25 g/cm ³ @ 77.00 °F / 25.00 °C 10.4125 lb/gal @ 77.00 °F / 25.00 °C |
| Solubility | soluble in water |
| Partition coefficient: n-octanol/water | No data |
| log Pow | no data available |
| Autoignition temperature | No data |

10. STABILITY AND REACTIVITY**Stability**

Stable.

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Conditions to avoid

Incompatible products

strong oxidizing agents

Hazardous decomposition products

carbon dioxide and carbon monoxide, various hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition

No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

| | |
|-------------------------------------|------------------------|
| CALCIUM CARBONATE | LD 50 Rat: 6,450 mg/kg |
| MINERAL SPIRITS REGULAR (BASE DATA) | LD 50 Rat: > 5 g/kg |
| KAOLIN | no data available |

Acute inhalation toxicity

| | |
|-------------------------------------|-------------------|
| CALCIUM CARBONATE | no data available |
| MINERAL SPIRITS REGULAR (BASE DATA) | no data available |
| KAOLIN | no data available |

Acute dermal toxicity

| | |
|-------------------------------------|------------------------|
| CALCIUM CARBONATE | no data available |
| MINERAL SPIRITS REGULAR (BASE DATA) | LD 50 Rabbit: > 3 g/kg |
| KAOLIN | no data available |

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Acute and Prolonged Toxicity to Fish

No data

Acute Toxicity to Aquatic Invertebrates

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No data

Environmental fate and pathways

No data

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Destroy by liquid incineration in accordance with applicable regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

14. TRANSPORT INFORMATION

IMDG:

UN1133, ADHESIVES 3, III

IATA_P:

UN1133, Adhesives 3, III

IATA_C:

UN1133, Adhesives 3, III

CFR_ROAD:

UN1133, Adhesives 3, III

CFR_RAIL:

UN1133, Adhesives 3, III

CFR_INWTR:

UN1133, Adhesives 3, III

Dangerous goods descriptions (if indicated above) may not reflect package size, quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SARA Hazard Classification Fire Hazard

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Acute Health Hazard

SARA 313 Component(s)

Reportable quantity - Components

| | | |
|--|-----------|------|
| CALCIUM CARBONATE | 471-34-1 | none |
| MINERAL SPIRITS REGULAR (BASE DATA) | 8052-41-3 | none |
| KAOLIN | 1332-58-7 | none |

| | Health | Flammability | Reactivity | Other |
|-------------|---------------|---------------------|-------------------|--------------|
| HMIS | 1 | 2 | 0 | |
| NFPA | 1 | 2 | 0 | |

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).