

# ASHLAND®

## SAFETY DATA SHEET

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Revision Date: 12/17/2014

Print Date: 1/8/2015

MSDS Number: 000000241862

Version: 1.2

1778 BALE

809653

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE 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 number	1-800-ASHLAND (1-800-274-5263)
Product name	1778 BALE	
Product code	809653	

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Appearance: liquid, Semisolid, dark amber

CAUTION! MAY CAUSE EYE IRRITATION. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE.

#### Potential Health Effects

##### **Exposure routes**

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

##### **Eye contact**

May cause eye irritation.

##### **Skin contact**

Unlikely to cause skin irritation or injury.

##### **Ingestion**

Aspiration hazard if swallowed - can enter lungs and cause damage.

##### **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.

##### **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)

##### **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), runny nose, Cough, Exposure to this product (or a component) may cause an allergic reaction

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(narrowing of the air passages of the lungs resulting in difficult breathing, tightness in the chest, coughing and wheezing) in some sensitive individuals. Other symptoms of an allergic reaction may include itchy and watery eyes, runny and stuffy nose, sweating, flushing, hives, rapid heart rate, and lowered blood pressure.

### Target Organs

No data.

### 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).

### Reproductive hazard

Based on the available information, risk to the fetus from maternal exposure to this material cannot be assessed., This material was not harmful to the fetus in laboratory animal studies., There are no data available for assessing risk to the fetus from maternal exposure to this material.

### Other information

Prolonged exposure to smoke or fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing, or breathing difficulty. Repeated exposure may lead to respiratory sensitization (asthma) in susceptible individuals.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No. / Trade Secret No.	Concentration
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTA	64742-52-5	>=20-<30%
FATTY ACIDS, C14-18 AND C16-18-UNSATD.	67701-06-8	>=1.5-<5%
ROSIN, POTASSIUM SALT	61790-50-9	>=1.5-<5%

## 4. FIRST AID MEASURES

### Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

### Skin

First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

### Ingestion

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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:** Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

**Treatment:** No hazards which require special first aid measures.

## 5. FIREFIGHTING MEASURES

### Suitable extinguishing media

Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray

### Hazardous combustion products

carbon dioxide and carbon monoxide, Hydrocarbons, Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides, Polymers decompose under fire conditions. The smoke may contain polymer fragments of varying composition and unidentified toxic and/or irritating compounds.

### Precautions for fire-fighting

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

### NFPA Flammable and Combustible Liquids Classification

Not applicable

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

### Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

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### Methods for cleaning up

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### Other information

Comply with all applicable federal, state, and local regulations.

## 7. HANDLING AND STORAGE

### 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.

### Storage

Store in a cool, dry, ventilated area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTA		64742-52-5	
OSHA Z1	Permissible exposure limit	500 ppm	
OSHA Z1	Permissible exposure limit	2,000 mg/m3	
NIOSH	Recommended exposure limit (REL):	5 mg/m3	Mist.
NIOSH	Short term exposure limit	10 mg/m3	Mist.
OSHA Z1	Permissible exposure limit	5 mg/m3	Mist.

### 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.

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### Skin and body protection

Wear resistant gloves (consult your safety equipment supplier).

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

### Respiratory protection

No data.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	Semisolid
Colour	dark amber
Odour	characteristic
Flash point	
	Not applicable
Density	0.94 - 0.97 g/cm3

## 10. STABILITY AND REACTIVITY

### Stability

Stable.

### Conditions to avoid

excessive heat, Heat, flames and sparks., Exposure to sunlight.

### Incompatible products

Strong oxidizing agents

### Hazardous decomposition products

carbon dioxide and carbon monoxide, Hydrocarbons

### Hazardous reactions

Product will not undergo hazardous polymerization.

## 11. TOXICOLOGICAL INFORMATION

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Information on likely routes of exposure : Inhalation  
Skin absorption  
Skin contact  
Eye Contact  
Ingestion

### **Product**

Acute oral toxicity : No data available

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/eye irritation : No data available

Respiratory or skin sensitisation : No data available

Aspiration toxicity : The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

### **Components:**

#### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHA:**

Acute oral toxicity : LD 50 Rat: > 5 g/kg

Acute inhalation toxicity : LC50 Rat: > 5.53 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Not classified as acutely toxic by inhalation under GHS.

Acute dermal toxicity : LD 50 Rabbit: > 2,000 mg/kg  
Not classified as acutely toxic by dermal absorption under GHS.  
No mortality observed at this dose.

Respiratory or skin sensitisation : Species: Guinea pig  
Classification: Does not cause skin sensitisation.  
Method: OECD Test Guideline 406

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- Carcinogenicity - Assessment : Sufficient evidence of carcinogenicity in animal experiments
- Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.
- STOT - repeated exposure : Exposure routes: Skin contact  
Target Organs: Adrenal gland, Bone marrow, Liver, Immune system, Kidney, Stomach, thymus gland  
Assessment: Causes damage to organs through prolonged or repeated exposure.
- Aspiration toxicity : May be fatal if swallowed and enters airways.

### FATTY ACIDS, C14-18 AND C16-18-UNSATD.:

- Acute oral toxicity : LD 50 Rat: > 2,000 mg/kg  
Method: OECD Test Guideline 401  
No adverse effect has been observed in acute oral toxicity tests.
- Acute dermal toxicity : LD 50 Rabbit: > 2,000 mg/kg  
Not classified as acutely toxic by dermal absorption under GHS.  
Information given is based on data obtained from similar substances.

### ROSIN, POTASSIUM SALT:

- Acute oral toxicity : LD 50 Rat: > 2,000 mg/kg  
Based on similar product.
- Acute dermal toxicity : LD 50 Rat: > 2,000 mg/kg  
Based on similar product.
- Respiratory or skin sensitisation : Species: Mouse  
Classification: Did not cause sensitisation on laboratory animals.  
Result: Did not cause sensitisation on laboratory animals.  
Method: Local lymph node assay

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

No data available

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### Components:

#### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHA:**

- Toxicity to fish : LL50 (Pimephales promelas (fathead minnow)): > 100 mg/l  
Exposure time: 96 h  
Test Method: static test  
Test substance: WAF  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Test Method: static test  
Test substance: WAF  
Method: OECD Test Guideline 202
- Toxicity to algae : NOEL (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l  
Exposure time: 72 h  
Test Method: static test  
Test substance: WAF  
Method: OECD Test Guideline 201
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEL: 10 mg/l  
Exposure time: 21 d  
Species: Daphnia (water flea)  
Test Method: semi-static test  
Test substance: WAF  
Method: OECD Test Guideline 211

#### **FATTY ACIDS, C14-18 AND C16-18-UNSATD.:**

- Toxicity to fish : LC 50 (Danio rerio (zebra fish)): > 1,000 mg/l  
Exposure time: 96 h  
Test Method: semi-static test  
Information given is based on data obtained from similar substances.
- Toxicity to daphnia and other aquatic invertebrates : LC 50 (Aquatic invertebrates): 357.5 mg/l  
Exposure time: 48 h  
Test Method: semi-static test  
Method: OECD Test Guideline 202  
Information given is based on data obtained from similar substances.
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: > 0.22 mg/l  
Exposure time: 21 d  
Reproduction Test



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Species: Water flea (Daphnia magna)  
Test Method: semi-static test  
Method: OECD Test Guideline 211  
Information given is based on data obtained from similar substances.

### Persistence and degradability

#### Product:

No data available

#### Components:

#### **DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTA:**

Biodegradability : Result: Inherently biodegradable  
Biodegradation: 31 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

#### **FATTY ACIDS, C14-18 AND C16-18-UNSATD.:**

Biodegradability : aerobic  
Biodegradation: 93.9 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B

#### **ROSIN, POTASSIUM SALT:**

Biodegradability : Biodegradation: 89.5 %  
Method: OECD Test Guideline 302B

### Bioaccumulative potential

#### Product:

No data available

#### Components:

#### **ROSIN, POTASSIUM SALT:**

Partition coefficient: n-octanol/water : log Pow: 3 - 7

### Mobility in soil

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**Product:**

No data available

**Components:**

No data available

### 13. DISPOSAL CONSIDERATIONS

**Waste disposal methods**

Dispose of in accordance with all applicable local, state and federal regulations.

### 14. TRANSPORT INFORMATION

**REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

Not dangerous goods

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

Not dangerous goods

**INTERNATIONAL MARITIME DANGEROUS GOODS**

Not dangerous goods

**TRANSPORT CANADA - INLAND WATERWAYS**

Not dangerous goods

**TRANSPORT CANADA - RAIL**

Not dangerous goods

**TRANSPORT CANADA - ROAD**

Not dangerous goods

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### U.S. DOT - INLAND WATERWAYS

Not dangerous goods

### U.S. DOT - RAIL

Not dangerous goods

### U.S. DOT - ROAD

Not dangerous goods

**\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Dangerous goods descriptions (if indicated above) may not reflect 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 defects, or any other reproductive harm.

**SARA Hazard Classification**  
**SARA 311/312 Classification**  
Acute Health Hazard  
Chronic Health Hazard

### SARA 313 Component(s)

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Notification status

US. Toxic Substances Control Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)

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Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
Japan. ENCS - Existing and New Chemical Substances Inventory	y (positive listing)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	y (positive listing)

	HMIS	NFPA
Health	2	1
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

### 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).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

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PPE : Personal Protective Equipment  
STEL : Short-term exposure limit  
STOT : Specific Target Organ Toxicity  
TLV : Threshold Limit Value  
TWA : Time-weighted average  
vPvB : Very Persistent and Very Bioaccumulative  
WEL : Workplace Exposure Level

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act  
DOT : Department of Transportation  
FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act  
HMIRC : Hazardous Materials Information Review Commission  
HMIS : Hazardous Materials Identification System  
NFPA : National Fire Protection Association  
NIOSH : National Institute for Occupational Safety and Health  
OSHA : Occupational Safety and Health Administration  
PMRA : Health Canada Pest Management Regulatory Agency  
RTK : Right to Know  
WHMIS : Workplace Hazardous Materials Information System