

SAFETY DATA SHEET

1. Product and Company Identification

Product identifier MotoMaster Fall/Winter Chainsaw Bar Oil

Other means of identification Not available Lubricant Recommended use None known. Recommended restrictions

Irving Blending & Packaging Manufacturer information

PO Box 1169 Saint John, NB E2L 4E6 CA

Phone: 1.800.574.5823

Emergency Phone: 1.800.424.9300 (CHEMTREC)

See above.

Supplier

2. Hazards Identification

Physical hazards Not classified. Not classified. Health hazards **Environmental hazards** Not classified. WHMIS 2015 defined hazards Not classified

Label elements

Hazard symbol None. Signal word None.

The mixture does not meet the criteria for classification. **Hazard statement**

Precautionary statement

Observe good industrial hygiene practices. Prevention

Wash hands after handling. Response

Storage Store away from incompatible materials.

Dispose of waste and residues in accordance with local authority requirements. Disposal

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)

Hazard(s) not otherwise

classified (HNOC)

None known

None known.

Supplemental information None.

3. Composition/Information on Ingredients

Mixture

Chemical name % Common name and synonyms **CAS** number Distillates (petroleum), hydrotreated 64742-54-7 1-5*

heavy paraffinic

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

US GHS: The exact percentage (concentration) of composition has been withheld as a trade **Composition comments**

secret in accordance with paragraph (i) of §1910.1200.

*CANADA GHS: The exact percentage (concentration) of composition has been withheld as a

trade secret.

4. First Aid Measures

If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. Inhalation Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists. Skin contact

Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical Eye contact

attention if irritation persists.

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Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of Ingestion aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention. Most important Direct contact with eyes may cause temporary irritation. symptoms/effects, acute and delayed Indication of immediate Treat patient symptomatically. medical attention and special treatment needed **General information** If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children. 5. Fire Fighting Measures Suitable extinguishing media Carbon dioxide. Water fog. Foam. Dry chemical powder. Do not use water jet as an extinguisher, as this will spread the fire. Unsuitable extinguishing media During fire, gases hazardous to health may be formed. Specific hazards arising from the chemical Special protective equipment Self-contained breathing apparatus and full protective clothing must be worn in case of fire. and precautions for firefighters Move containers from fire area if you can do so without risk. Fire-fighting equipment/instructions Specific methods Use standard firefighting procedures and consider the hazards of other involved materials. General fire hazards No unusual fire or explosion hazards noted. Hazardous combustion May include and are not limited to: Oxides of carbon. Oxides of sulfur. Oxides of phosphorus. products 6. Accidental Release Measures Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. Personal precautions, protective equipment and emergency procedures Methods and materials for Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use water spray to reduce vapors or divert vapor cloud drift. Absorb in vermiculite, dry containment and cleaning up sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. **Environmental precautions** Do not discharge into lakes, streams, ponds or public waters. 7. Handling and Storage Avoid contact with eyes, skin and clothing. Avoid breathing mists or vapors. Avoid prolonged Precautions for safe handling exposure. Wash thoroughly after handling. Use good industrial hygiene practices in handling this material. When using do not eat or drink. Store in original tightly closed container. Store away from incompatible materials (see Section 10 Conditions for safe storage, of the SDS). Keep out of reach of children. including any incompatibilities 8. Exposure Controls/Personal Protection Occupational exposure limits Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2) **Form** Components Value **Type**

Distillates (petroleum), STEL 10 mg/m3 Mist. hydrotreated heavy paraffinic (CAS 64742-54-7)

5 mg/m3

TWA

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Form Components Value Type Distillates (petroleum), **TWA** 1 mg/m3 Mist. hydrotreated heavy paraffinic (CAS 64742-54-7)

Mist.

#31077 Page: 2 of 8 Issue date 31-July-2019 Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Form Components Type Value Distillates (petroleum), **TWA** 5 mg/m3 Inhalable fraction. hydrotreated heavy

paraffinic (CAS 64742-54-7)

Canada, Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Form Components **Type** Value Distillates (petroleum), STEL 10 mg/m3 Mist. hydrotreated heavy

paraffinic (CAS 64742-54-7)

TWA 5 mg/m3 Mist.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components Value **Form** Type PEL 5 mg/m3 Mist.

Distillates (petroleum), hydrotreated heavy

paraffinic (CAS 64742-54-7)

US. ACGIH Threshold Limit Values

Form Components Type Value Distillates (petroleum), **TWA** 5 mg/m3 Inhalable fraction.

hydrotreated heavy

paraffinic (CAS 64742-54-7)

US. NIOSH: Pocket Guide to Chemical Hazards

Form Components Value Type Distillates (petroleum), STEL 10 mg/m3 Mist. hydrotreated heavy paraffinic (CAS 64742-54-7)

5 mg/m3 **Biological limit values** No biological exposure limits noted for the ingredient(s).

Exposure guidelines

Canada - Alberta OELs: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

TWA

Canada - British Columbia OELs: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

Canada - Manitoba OELs: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

Canada - Ontario OELs: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

Canada - Saskatchewan OELs: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

Appropriate engineering

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Mist.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Impervious gloves. Confirm with reputable supplier first. Hand protection

As required by employer code. Other

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respiratory protection

> Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134),

CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards Not applicable.

General hygiene considerations

Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

9. Physical and Chemical Properties

Liquid **Appearance**

#31077 Page: 3 of 8 Issue date 31-July-2019 Physical state Liquid. Liquid. **Form** Red Color

Petroleum Odor Odor threshold Not available. Not available. Ηα Melting point/freezing point Not available. Initial boiling point and boiling Not available.

range

Not available. Pour point Not available. Specific gravity Not available. **Partition coefficient**

(n-octanol/water)

Flash point 361.4 °F (183.0 °C) Pensky-Martens Closed Cup

Evaporation rate Not available. Flammability (solid, gas) Not applicable. Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

(%)

Flammability limit - upper

(%)

Not available.

Not available. Explosive limit - lower (%) Explosive limit - upper (%) Not available. Not available. Vapor pressure Vapor density Not available. Relative density 0.8613 @ 15°C Solubility(ies) Insoluble **Auto-ignition temperature** Not available. **Decomposition temperature** Not available.

> 10.9 cSt @ 100°C 64.3 cSt @ 40°C

Other information

Viscosity

Explosive properties Not explosive. Not oxidizing. **Oxidizing properties**

10. Stability and Reactivity

This product may react with strong oxidizing agents. Reactivity

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Chemical stability Material is stable under normal conditions.

Conditions to avoid Do not mix with other chemicals.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition

products

May include and are not limited to: Oxides of carbon. Oxides of sulfur. Oxides of phosphorus.

11. Toxicological Information

Routes of exposure Inhalation. Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting.

Inhalation Prolonged inhalation may be harmful.

Skin contact No adverse effects due to skin contact are expected. Direct contact with eyes may cause temporary irritation. **Eve contact**

Symptoms related to the physical, chemical and toxicological characteristics Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

#31077 Page: 4 of 8 Issue date 31-July-2019 **Acute toxicity**

Test Results Components **Species**

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Acute Dermal

LD50

Rabbit > 5000 mg/kg, 24 Hours, ECHA

> 2000 mg/kg, 24 Hours, ECHA

Inhalation

LC50 Rat > 5.5 mg/L, 4 Hours, ECHA

> 5.3 mg/L, 4 Hours, ECHA

> 5.2 mg/L, 4 Hours, ECHA

Oral

LD50 Rat > 5000 mg/kg, ECHA

> 2000 mg/kg, ECHA

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Not available. **Exposure minutes** Erythema value Not available. Oedema value Not available.

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

Corneal opacity value Not available. Iris lesion value Not available. Conjunctival reddening Not available.

value

Not available. Conjunctival oedema value Not available. Recover days

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Mutagenicity No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Contains < 3% (w/w) DMSO-extract Carcinogenicity

ACGIH Carcinogens

Ethylbenzene (CAS 100-41-4) A3 Confirmed animal carcinogen with unknown relevance to

humans.

Naphthalene (CAS 91-20-3) A3 Confirmed animal carcinogen with unknown relevance to

humans.

Canada - Manitoba OELs: carcinogenicity

ETHYL BENZENE (CAS 100-41-4) Confirmed animal carcinogen with unknown relevance to humans. NAPHTHALENE (CAS 91-20-3) Confirmed animal carcinogen with unknown relevance to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Distillates (petroleum), hydrotreated heavy paraffinic

(CAS 64742-54-7)

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3)

Xylene (CAS 1330-20-7)

Volume 33, Supplement 7 - 3 Not classifiable as to carcinogenicity

to humans. Volume 77 - 2B Possibly carcinogenic to humans.

Volume 82 - 2B Possibly carcinogenic to humans.

Volume 47, Volume 71 - 3 Not classifiable as to carcinogenicity to

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3)

US NTP Report on Carcinogens: Anticipated carcinogen

Naphthalene (CAS 91-20-3) Reasonably Anticipated to be a Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Teratogenicity Not available. Specific target organ toxicity -

single exposure

Not classified.

#31077 Page: 5 of 8 Issue date 31-July-2019 Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard

Not an aspiration hazard.

Chronic effects

Prolonged inhalation may be harmful.

12. Ecological Information

Ecotoxicity

See below

Ecotoxicological data

Components

Test Results Species

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Crustacea EC50 Daphnia 1000 ma/L. 48 Hours

Persistence and degradability

No data is available on the degradability of this product.

Bioaccumulative potential No data available. No data available. Mobility in soil Mobility in general Not available.

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation Other adverse effects

potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. Transport Information

Transport of Dangerous Goods (TDG) Proof of Classification

Classification Method: Classified as per Part 2, Sections 2.1 - 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Canada CEPA Schedule I: Listed substance

Naphthalene (CAS 91-20-3) Listed.

Canada DSL Challenge Substances: Listed substance

Naphthalene (CAS 91-20-3) Listed.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

1 TONNES Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Xylene (CAS 1330-20-7) 1 TONNES

Export Control List (CEPA 1999, Schedule 3)

Not listed. **Greenhouse Gases**

Not listed.

Precursor Control Regulations

Not regulated.

WHMIS 2015 Exemptions Not applicable

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

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CERCLA Hazardous Substance List (40 CFR 302.4)

Ethylbenzene (CAS 100-41-4) Listed.
Naphthalene (CAS 91-20-3) Listed.
Xylene (CAS 1330-20-7) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

SARA 302 Extremely

hazardous substance

SARA 311/312 Hazardous No

chemical

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

See below

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3) Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

US state regulations

US - California Hazardous Substances (Director's): Listed substance

Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Listed. Distillates (petroleum), hydrotreated heavy paraffinic Listed.

(CAS 64742-54-7)

Ethylbenzene (CAS 100-41-4)

Naphthalene (CAS 91-20-3)

Xylene (CAS 1330-20-7)

Listed.

US - Illinois Chemical Safety Act: Listed substance

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3) Xylene (CAS 1330-20-7)

US - Louisiana Spill Reporting: Listed substance

Ethylbenzene (CAS 100-41-4)

Naphthalene (CAS 91-20-3)

Xylene (CAS 1330-20-7)

Listed.

US - Michigan Critical Materials Register: Parameter number

Xylene (CAS 1330-20-7)

US - Minnesota Haz Subs: Listed substance

Benzene, 1,2,4-trimethyl- (CAS 95-63-6) Listed. Distillates (petroleum), hydrotreated heavy paraffinic Listed.

(CAS 64742-54-7)

Ethylbenzene (CAS 100-41-4)

Naphthalene (CAS 91-20-3)

Xylene (CAS 1330-20-7)

Listed.

US - New Jersey RTK - Substances: Listed substance

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3) Xylene (CAS 1330-20-7)

US - North Carolina Toxic Air Pollutants: Listed substance

Xylene (CAS 1330-20-7)

US - Texas Effects Screening Levels: Listed substance

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)

Listed.

Distillates (petroleum), hydrotreated heavy paraffinic

Listed.

(CAS 64742-54-7)

Ethylbenzene (CAS 100-41-4)

Naphthalene (CAS 91-20-3)

Xylene (CAS 1330-20-7)

Listed.

Listed.

Listed.

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US - Washington Chemical of High Concern to Children: Listed substance

Ethylbenzene (CAS 100-41-4)

US. Massachusetts RTK - Substance List

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3) Xylene (CAS 1330-20-7)

US. New Jersey Worker and Community Right-to-Know Act

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3) Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3) Xylene (CAS 1330-20-7)

US. Rhode Island RTK

Benzene, 1,2,4-trimethyl- (CAS 95-63-6)

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Ethylbenzene (CAS 100-41-4) Naphthalene (CAS 91-20-3) Xylene (CAS 1330-20-7)

US. California Proposition 65



WARNING: This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004 Naphthalene (CAS 91-20-3) Listed: April 19, 2002

Inventory status

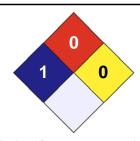
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0





Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Prepared by Irving Blending & Packaging Phone: 1.800.574.5823

Other information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the

document.

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