

SAFETY DATA SHEET

1. Identification

Product identifier MotoMaster Marine Gear Oil SAE 90

Other means of identification Not available.

Recommended use Lubricant

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Irving Blending & Packaging **Address** 555 Courtenay Bay Causeway

> Saint John NB E2L 4E6 Canada

Telephone 1.800.574.5823 E-mail Not available.

Emergency phone number 1.800.424.9300 (CHEMTREC)

Supplier See above.

2. Hazard identification

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

WHMIS 2015 defined hazards Not classified

Label elements

Hazard symbol None.
Signal word None.

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

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

None known

Disposal Dispose of container in accordance with local, regional, national and international regulations.

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

None known

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

Hazard(s) not otherwise None

classified (HNOC)

None known.

Supplemental information Not applicable.

3. Composition/Information on ingredients

Mixture			
Chemical name	Common name and synonyms	CAS number	%
9-Octadecen-1-amine,-		112-90-3	0.1-1*
Distillates (petroleum), hydrotreate heavy paraffinic	ed	64742-54-7	1-5*
Distillates (petroleum), hydrotreate light paraffinic	ed	64742-55-8	1-5*
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy	,	64742-70-7	80-100*

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Composition comments

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

Inhalation Skin contact Eye contact

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

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

Ingestion

Rinse mouth with water, then drink one or two glasses of water. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Direct contact with eyes may cause temporary irritation.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

General information

Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical. Carbon dioxide.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

and precautions for firefighters Fire-fighting

Move containers from fire area if you can do so without risk.

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 products

equipment/instructions

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch or walk through spilled material. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Stop the flow of material, if this is without risk.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry 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.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Provide adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin and clothing. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage. including any incompatibilities Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/Personal protection

Canada. Alberta OELs (Occupatior Components	-	Value 1, Table 2)	Form
Distillates (petroleum),	Type STEL	10 mg/m3	Mist.
hydrotreated heavy paraffinic (CAS 64742-54-7)			
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Canada. British Columbia OELs. (C Safety Regulation 296/97, as amen		for Chemical Substances, C	Occupational Health and
Components	['] Type	Value	Form
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	1 mg/m3	Mist.
Canada. Manitoba OELs (Reg. 217/ Components	2006, The Workplace Safety A Type	nd Health Act) Value	Form
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	Inhalable fraction.
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	TWA	5 mg/m3	Inhalable fraction.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	TWA	5 mg/m3	Inhalable fraction.
Canada. Quebec OELs. (Ministry o Components	f Labor - Regulation respecting Type	g occupational health and s Value	afety) Form
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	STEL	10 mg/m3	Mist.
,	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	STEL	10 mg/m3	Mist.
,	TWA	5 mg/m3	Mist.
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Canada. Saskatchewan OELs (Occ Components	upational Health and Safety Ro	egulations, 1996, Table 21) Value	
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	15 minute	10 mg/m3	
,	8 hour	5 mg/m3	
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	15 minute	10 mg/m3	
	8 hour	5 mg/m3	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	15 minute	10 mg/m3	

Components	.s (Occupational Health and Safety ∣ Type	Value		
	8 hour	5 mg/m3		
US. OSHA Table Z-1 Limits	for Air Contaminants (29 CFR 1910.	1000)		
Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	PEL	5 mg/m3	Mist.	
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	PEL	5 mg/m3	Mist.	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	PEL	5 mg/m3	Mist.	
US. ACGIH Threshold Limit	Values			
Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m3	Inhalable fraction.	
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	TWA	5 mg/m3	Inhalable fraction.	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	TWA	5 mg/m3	Inhalable fraction.	
US. NIOSH: Pocket Guide to	Chemical Hazards			
Components	Туре	Value	Form	
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
logical limit values	No biological exposure limits noted f	or the ingredient(s).		
osure guidelines	,	og. c(c).		
-	for Air Contaminants (29 CFR 1910.	1000)		
Ethyl acrylate (CAS 140-	-	•		
propriate engineering trols	88-5) Can be absorbed through the skin. 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 ventilatior 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.			
vidual protection measures, Eye/face protection	such as personal protective equipment Wear safety glasses with side shields (or goggles).			
Skin protection Hand protection	Impervious gloves. Confirm with rep	outable supplier first.		
Other	Wear suitable protective clothing.			
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.			
Thermal hazards	Not applicable.			
eral hygiene siderations	Contaminated work clothing should not be allowed out of the workplace.			
	9. Physical and chem			

Liquid

Liquid.

Appearance

Physical state

Form Liquid.

Color Brown

Odor Pungent

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling Not available.

range

Pour point -27.4 °F (-33 °C) (HDH 80W90)

Specific gravity Not available.

Partition coefficient Not available.

(n-octanol/water)

Flash point 338.0 - 348.8 °F (170.0 - 176.0 °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.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density 0.8935 - 0.9054 @ 15°C

Solubility(ies)

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity 14.7 - 26.7 cSt @ 100°C

136.9 - 340.5 cSt @ 40°C

10. Stability and reactivity

Reactivity This product may react with strong oxidizing agents.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Chemical stability Material is stable under normal conditions.

Conditions to avoid Avoid temperatures exceeding the flash point. Keep away from extreme heat.

Incompatible materials Acids. Caustics.

Hazardous decomposition

products

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

Oxides of sulfur.

11. Toxicological information

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.

Eye contact

Direct contact with eyes may cause temporary irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity

Components Species Test Results

9-Octadecen-1-amine,- (CAS 112-90-3)

Acute

Dermal

LD50 Not available

Inhalation

LC50 Not available

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

Not available

Acute Dermal

Oral LD50

LD50 Rabbit

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

Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg, 24 Hours, ECHA

> 2000 mg/kg, ECHA

Inhalation

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

5.3 mg/L, 4 Hours, ECHA5.2 mg/L, 4 Hours, ECHA3.9 mg/L, 4 Hours, ECHA

Oral

LD50 Rat > 5000 mg/kg, ECHA

> 2000 mg/kg, ECHA

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg, 24 Hours, ECHA

Inhalation

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

Oral

LD50 Rat > 5000 mg/kg, ECHA

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

Exposure minutes Not available.
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

Conjunctival oedema value Not available.

Recover days Not available.

Respiratory or skin sensitization

Not available. Respiratory sensitization Not available. Skin sensitization

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

mutagenic or genotoxic.

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

This product is not considered to be a carcinogen by IARC, NTP, or OSHA.

ACGIH Carcinogens

64742-55-8)

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS A2 Suspected human carcinogen.

64742-70-7)

California Proposition 65 - CRT: Listed date/Carcinogenic substance

Ethyl acrylate (CAS 140-88-5)

Canada - Manitoba OELs: carcinogenicity

Distillates (petroleum), hydrotreated light paraffinic (CAS Suspected human carcinogen.

64742-55-8)

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS Suspected human carcinogen.

64742-70-7)

Canada - Quebec OELs: Carcinogen category

Ethyl acrylate (CAS 140-88-5) Detected carcinogenic effect in animals.

IARC Monographs. Overall Evaluation of Carcinogenicity

Distillates (petroleum), hydrotreated heavy paraffinic

(CAS 64742-54-7)

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

to humans.

Ethyl acrylate (CAS 140-88-5) Volume 39, Supplement 7, Volume 71, Volume 122 - 2B Possibly

carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed

US NTP Report on Carcinogens: Known carcinogen

Distillates (petroleum), hydrotreated light paraffinic (CAS Known To Be Human Carcinogen.

64742-55-8)

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS Known To Be Human Carcinogen.

64742-70-7)

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

Not available. **Teratogenicity**

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Not available. **Aspiration hazard**

Chronic effects Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity See below

Ecotoxicological data

Test Results Components **Species**

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

Crustacea EC50 Daphnia 1000 mg/L, 48 Hours

Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)

EC50 Daphnia Crustacea 1000 mg/L, 48 Hours

No data is available on the degradability of this product. Persistence and degradability

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

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

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of **Disposal instructions**

contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

#32162 Page: 7 of 10 Issue date 09-June-2020 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

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

emptied.

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 Hazardous Products Regulations (SOR/2015-17) and the SDS contains all the information required by the HPR.

Canada DSL Challenge Substances: Listed substance

Ethyl acrylate (CAS 140-88-5)

Listed.

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.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethyl acrylate (CAS 140-88-5)

Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely

No

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

Ethyl acrylate (CAS 140-88-5)

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

Distillates (petroleum), hydrotreated heavy paraffinic Listed.

(CAS 64742-54-7)

Distillates (petroleum), hydrotreated light paraffinic (CAS Listed

64742-55-8)

Ethyl acrylate (CAS 140-88-5) Listed.

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS Listed.

64742-70-7)

US - Illinois Chemical Safety Act: Listed substance

Ethyl acrylate (CAS 140-88-5)

US - Louisiana Spill Reporting: Listed substance

Ethyl acrylate (CAS 140-88-5) Listed.

US - Minnesota Haz Subs: Listed substance

Distillates (petroleum), hydrotreated heavy paraffinic Listed.

(CAS 64742-54-7)

Distillates (petroleum), hydrotreated light paraffinic (CAS Listed.

64742-55-8)

Ethyl acrylate (CAS 140-88-5) Listed.

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS Listed.

64742-70-7)

US - Texas Effects Screening Levels: Listed substance

9-Octadecen-1-amine,- (CAS 112-90-3) Listed.
Amines, C12-14-tert-alkyl (CAS 68955-53-3) Listed.
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Distillates (petroleum), hydrotreated light paraffinic (CAS Listed.

64742-55-8)

Ethyl acrylate (CAS 140-88-5)

Listed.

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS Listed. 64742-70-7)

US. Massachusetts RTK - Substance List

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) Ethyl acrylate (CAS 140-88-5)

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)

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

Ethyl acrylate (CAS 140-88-5)

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

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) Ethyl acrylate (CAS 140-88-5)

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)

US. Rhode Island RTK

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7) Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8) Ethyl acrylate (CAS 140-88-5)

Paraffin Oils (petroleum), Catalytic Dewaxed Heavy (CAS 64742-70-7)

US. California Proposition 65



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

California Proposition 65 - CRT: Listed date/Carcinogenic substance

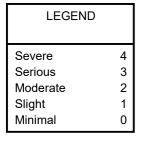
Ethyl acrylate (CAS 140-88-5) Listed: July 1, 1989

Inventory status

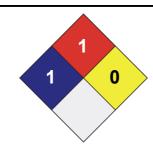
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

16. Other information







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.

Issue date 09-June-2020

Version # 01

Effective date 09-June-2020

Prepared by Irving Blending & Packaging Phone: 1.800.574.5823

Further information Not available.

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

document.