

Safety Data Sheet

Product Identifier **Product Name** BlueIce IC-10™ Other means of identification SDS # MP-010 **UN/ID No** UN1993 Recommended use of the chemical and restrictions on use **Recommended Use** Gasoline or diesel fuel additive-cleans carburetor, injectors, valves, upper cylinders. Details of the supplier of the safety data sheet **Manufacturer Address Muscle Products Corp** 752 Kilgore Road Jackson Center, PA 16133 www.musclelubricants.com Emergency Telephone Number **Company Phone Number** 1-814-786-0166 **Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)

1. IDENTIFICATION

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear, blue liquid

Physical state Liquid

Odor Petroleum solvent/ alcohol

Classification

Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1
Aspiration toxicity	Category 1
Flammable Liquids	Category 2

<u>Signal Word</u> Danger

Hazard statements

Causes serious eye irritation Suspected of causing cancer May cause drowsiness or dizziness Causes damage to organs through prolonged or repeated exposure May be fatal if swallowed and enters airways Highly flammable liquid and vapor Version 1



Precautionary Statements - Prevention

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Wear protective gloves/protective clothing/eye protection/face protection Use only outdoors or in a well-ventilated area Wash face, hands and any exposed skin thoroughly after handling Do not breathe dust/fume/gas/mist/vapors/spray Do not eat, drink or smoke when using this product Keep away from heat/sparks/open flames/hot surfaces. — No smoking Keep container tightly closed Ground/bond container and receiving equipment Use explosion-proof equipment Use only non-sparking tools Take precautionary measures against static discharge Keep cool

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower IF INHALED: Remove person to fresh air and keep comfortable for breathing IF SWALLOWED: Immediately call a POISON CENTER or doctor Do NOT induce vomiting IN CASE OF FIRE: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

Store locked up Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Stoddard solvent	8052-41-3	40-50
Isopropyl Alcohol	67-63-0	20-30
Kerosene	8008-20-6	20-30
Proprietary Organic Compound	Proprietary	4-5
N-Nonane	111-84-2	0.4-3
Petroleum distillates, hydrotreated light naphthenic	64742-53-6	1-2
Aromatic petroleum hydrocarbons	25551-13-7	0-1.75
Naphthalene	91-20-3	<1
Ethylbenzene	100-41-4	<0.3

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice	If exposed or concerned: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Ingestion	Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects

Symptoms May be harmful if swallowed. May be harmful in contact with skin. Causes serious eye irritation. Suspected of causing cancer. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use CO2, dry chemical, or foam for extinction.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Highly flammable liquid and vapor.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Clean-Up	Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing and eye/face protection. Use only outdoors or in a well-ventilated area. Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Keep cool.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Store in a well-ventilated place. Keep containers tightly closed.

Incompatible Materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Stoddard solvent	TWA: 100 ppm	TWA: 500 ppm	IDLH: 20000 mg/m ³
8052-41-3		TWA: 2900 mg/m ³	Ceiling: 1800 mg/m ³ 15 min
		(vacated) TWA: 100 ppm	TWA: 350 mg/m ³
		(vacated) TWA: 525 mg/m ³	
Isopropyl Alcohol	STEL: 400 ppm	TWA: 400 ppm	IDLH: 2000 ppm
67-63-0	TWA: 200 ppm	TWA: 980 mg/m ³	TWA: 400 ppm
		(vacated) TWA: 400 ppm	TWA: 980 mg/m ³
		(vacated) TWA: 980 mg/m ³	STEL: 500 ppm
		(vacated) STEL: 500 ppm	STEL: 1225 mg/m ³
		(vacated) STEL: 1225 mg/m ³	
Kerosene	TWA: 200 mg/m ³ total	-	TWA: 100 mg/m ³
8008-20-6	hydrocarbon vapor application		
	restricted to conditions in which		
	there are negligible aerosol		
	exposures		
	S*		
N-Nonane	TWA: 200 ppm	(vacated) TWA: 200 ppm	TWA: 200 ppm
111-84-2		(vacated) TWA: 1050 mg/m ³	TWA: 1050 mg/m ³
Aromatic petroleum hydrocarbons	TWA: 25 ppm	(vacated) TWA: 25 ppm	-
25551-13-7		(vacated) TWA: 125 mg/m ³	
Naphthalene	TWA: 10 ppm	TWA: 10 ppm	IDLH: 250 ppm
91-20-3	S*	TWA: 50 mg/m ³	TWA: 10 ppm
		(vacated) TWA: 10 ppm	TWA: 50 mg/m ³
		(vacated) TWA: 50 mg/m ³	STEL: 15 ppm
		(vacated) STEL: 15 ppm	STEL: 75 mg/m ³
		(vacated) STEL: 75 mg/m ³	
Ethylbenzene	TWA: 20 ppm	TWA: 100 ppm	IDLH: 800 ppm
100-41-4		TWA: 435 mg/m ³	TWA: 100 ppm
		(vacated) TWA: 100 ppm	TWA: 435 mg/m ³
		(vacated) TWA: 435 mg/m ³	STEL: 125 ppm
		(vacated) STEL: 125 ppm	STEL: 545 mg/m ³
		(vacated) STEL: 545 mg/m ³	

Appropriate engineering controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Refer to 29 CFR 1910.133 for eye and face protection regulations.
Skin and Body Protection	Refer to 29 CFR 1910.138 for appropriate skin and body protection.
Respiratory Protection	Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state Appearance	Liquid Clear, blue liquid	Odor	Petroleum solvent/ alcohol
Color	Blue	Odor Threshold	Not determined
Property pH Melting point / freezing point Boiling Point / Boiling Range Flash Point Evaporation Rate Flammability (Solid, Gas) Flammability Limit in Air Upper Flammability Limit Lower Flammability Limit Vapor Pressure Vapor Density Relative Density Water Solubility Solubility in other solvents Partition Coefficient	Values Not determined -37 °C / -34.6 °F 82.2 °C / 180 °F 22 °C / 71.6 °F Not determined Liquid-Not applicable Not determined 1.75 kPa Not determined 0.7923 g/cm3 Partial in water Not determined Not determined	Remarks• MethodASTM D-2386ASTM D-86ASTM D-93ASTM D-5191at 15.6°C (60°F) ASTM I	
Autoignition temperature Decomposition Temperature Kinematic Viscosity Dynamic Viscosity Explosive Properties Oxidizing Properties	Not determined 1.27 cSt Not determined Not determined Not determined	@ 40°C (104°F) ASTM [D-445

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	
Eye Contact	Avoid contact with eyes.
Skin Contact	May be harmful in contact with skin.
Inhalation	Do not inhale.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	= 72600 mg/m ³ (Rat)4 h
Kerosene 8008-20-6	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.28 mg/L (Rat)4 h
Proprietary Organic Compound	= 26100 mg/kg (Rat)> 21500 µL/kg (Rat)	> 10 mL/kg (Rabbit)	-
N-Nonane 111-84-2	-	-	= 3200 ppm (Rat)4 h
Petroleum distillates, hydrotreated light naphthenic 64742-53-6	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 2180 mg/m³ (Rat)4 h
Aromatic petroleum hydrocarbons 25551-13-7	= 8970 mg/kg (Rat)	-	-
Naphthalene 91-20-3	= 1110 mg/kg (Rat) = 490 mg/kg (Rat)	> 20 g/kg (Rabbit)= 1120 mg/kg (Rabbit)	> 340 mg/m³ (Rat)1 h
Ethylbenzene 100-41-4	= 3500 mg/kg (Rat)	= 15400 mg/kg (Rabbit)	= 17.4 mg/L (Rat)4 h
Proprietary Ingredient	= 40 g/kg (Rat)	> 20 mL/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please s

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/eye irritation	Causes serious eye irritation.

Carcinogenicity

Suspected of causing cancer. This product contains mineral oils which are considered to be severely refined and not carcinogenic under IARC. All of the mineral oils in this product contain less than 3% extractables by IP 346.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0		Group 3		Х
Kerosene 8008-20-6	A3	Group 3		
Naphthalene 91-20-3	A3	Group 2B	Reasonably Anticipated	Х
Ethylbenzene 100-41-4	A3	Group 2B		Х

Legend

Legena			
ACGIH (American Conference of Governmental Industrial Hygienists)			
A2 - Suspected Human Carcinogen	A2 - Suspected Human Carcinogen		
A3 - Animal Carcinogen	A3 - Animal Carcinogen		
IARC (International Agency for Research	on Cancer)		
Group 1 - Carcinogenic to Humans			
Group 2B - Possibly Carcinogenic to Humar			
Group 3 IARC components are "not classified	able as human carcinogens"		
NTP (National Toxicology Program)			
Known - Known Carcinogen			
Reasonably Anticipated - Reasonably Antic			
	Administration of the US Department of Labor)		
X - Present			
	May aquea drawainaga ar dizzinaga		
STOT - single exposure	May cause drowsiness or dizziness.		
STOT reported expecture	Courses domage to organs through prolonged or repeated evenesure		
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure.		
Aspiration hazard	May be fatal if swallowed and enters airways.		
Numerical measures of toxicity			
The following values are calculated	based on chapter 3.1 of the GHS document		
ATEmix (oral)	2,398.30 mg/kg		
ATEmix (dermal)	2,766.50 mg/kg		
. ,			
ATEmix (inhalation-gas)	550.40 mg/L		
ATEmix (inhalation-dust/mist)	21.74 mg/L		
	• •		

559.51 mg/L

12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u> Toxic to aquatic life with long lasting effects.

ATEmix (inhalation-vapor)

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Isopropyl Alcohol 67-63-0	1000: 72 h Desmodesmus subspicatus mg/L EC50 1000: 96 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50	13299: 48 h Daphnia magna mg/L EC50
Proprietary Organic Compound		300: 96 h Lepomis macrochirus mg/L LC50 static 0.0109: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.1: 96 h Lepomis macrochirus mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 94.5 - 271: 96 h Oncorhynchus mykiss mg/L LC50 static	102: 24 h Daphnia magna mg/L EC50
Petroleum distillates, hydrotreated light naphthenic 64742-53-6		5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Aromatic petroleum hydrocarbons 25551-13-7		7.72: 96 h Pimephales promelas mg/L LC50 flow-through	
Naphthalene 91-20-3	0.4: 72 h Skeletonema costatum mg/L EC50	 31.0265: 96 h Lepomis macrochirus mg/L LC50 static 5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow-through 1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.99: 96 h Pimephales promelas mg/L LC50 static 0.91 - 2.82: 96 h Oncorhynchus mykiss mg/L LC50 static 	1.96: 48 h Daphnia magna mg/L EC50 Flow through 1.09 - 3.4: 48 h Daphnia magna mg/L EC50 Static 2.16: 48 h Daphnia magna mg/L LC50

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Ethylbenzene	438: 96 h Pseudokirchneriella	9.6: 96 h Poecilia reticulata mg/L	1.8 - 2.4: 48 h Daphnia magna mg/L
100-41-4	subcapitata mg/L EC50 2.6 - 11.3:	LC50 static 32: 96 h Lepomis	EC50
	72 h Pseudokirchneriella	macrochirus mg/L LC50 static 11.0 -	
	subcapitata mg/L EC50 static 4.6:	18.0: 96 h Oncorhynchus mykiss	
	72 h Pseudokirchneriella	mg/L LC50 static 4.2: 96 h	
	subcapitata mg/L EC50 1.7 - 7.6: 96	Oncorhynchus mykiss mg/L LC50	
	h Pseudokirchneriella subcapitata	semi-static 7.55 - 11: 96 h	
	mg/L EC50 static	Pimephales promelas mg/L LC50	
		flow-through 9.1 - 15.6: 96 h	
		Pimephales promelas mg/L LC50	
		static	
Proprietary Ingredient	8: 72 h Desmodesmus subspicatus	900: 48 h Leuciscus idus mg/L LC50	100: 24 h Daphnia magna mg/L
	mg/L EC50		EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

<u>Mobility</u>

Chemical Name	Partition Coefficient
Isopropyl Alcohol 67-63-0	0.05
Proprietary Organic Compound	>6
Naphthalene 91-20-3	3.6
Ethylbenzene 100-41-4	3.2

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Naphthalene	U165	Included in waste streams:		U165
91-20-3		F024, F025, F034, F039,		
		K001, K035, K060, K087,		
		K145		
Ethylbenzene		Included in waste stream:		
100-41-4		F039		

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Naphthalene 91-20-3			Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic	
			hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol	Toxic
67-63-0	Ignitable
Naphthalene	Toxic
91-20-3	
Ethylbenzene	Toxic
100-41-4	Ignitable

14. TRANSPORT INFORMATION

<u>Note</u>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<u>DOT</u> UN/ID No Proper Shipping Name Hazard Class Packing Group	UN1993 Flammable liquid, n.o.s. (Isopropanol) 3 II
IATA UN/ID No Proper Shipping Name Hazard Class Packing Group	UN1993 Flammable liquid, n.o.s. (isopropanol) 3 II
IMDG UN/ID No Proper Shipping Name Hazard Class Packing Group Marine Pollutant	UN1993 Flammable liquid, n.o.s. (isopropanol) 3 II This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	AICS
Stoddard solvent	Х	Х	Х		Х	Х	Х	Х
Isopropyl Alcohol	Х	Х	Х	Х	Х	Х	Х	Х

Kerosene	X	Х	Х		Х	Х	Х	Х
Proprietary Organic Compound	X	X	X	Х	X	X	X	X
N-Nonane	Х	Х	Х	Х	Х	Х	Х	Х
Petroleum distillates, hydrotreated light naphthenic	Х	Х	Х		Х	Х	Х	Х
Aromatic petroleum hydrocarbons	Х	Х	Х	Х	Х	Х	Х	Х
Naphthalene	Х	Х	Х	Х	Х	Х	Х	Х
Ethylbenzene	Х	Х	Х	Х	Х	Х	Х	Х
Proprietary Ingredient	Х	Х	Х		Х	Х	Х	Х

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Naphthalene	100 lb 1 lb		RQ 100 lb final RQ
91-20-3			RQ 45.4 kg final RQ RQ 1 lb final
			RQ
			RQ 0.454 kg final RQ
Ethylbenzene	1000 lb		RQ 1000 lb final RQ
100-41-4			RQ 454 kg final RQ

<u>SARA 313</u>

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Isopropyl Alcohol - 67-63-0	67-63-0	20-30	1.0
Naphthalene - 91-20-3	91-20-3	<1	0.1
Ethylbenzene - 100-41-4	100-41-4	<0.3	0.1

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Naphthalene	100 lb	Х	Х	Х
Ethylbenzene	1000 lb	Х	X	Х

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Naphthalene - 91-20-3	Carcinogen
Ethylbenzene - 100-41-4	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Stoddard solvent 8052-41-3	X	X	X
Isopropyl Alcohol 67-63-0	Х	X	Х
Kerosene 8008-20-6	Х	X	Х
N-Nonane 111-84-2	Х	Х	Х
Petroleum distillates, hydrotreated light naphthenic 64742-53-6		X	
Aromatic petroleum hydrocarbons 25551-13-7	Х	X	Х
Naphthalene 91-20-3	Х	X	Х
Ethylbenzene 100-41-4	Х	Х	Х

16. OTHER INFORMATION

<u>NFPA</u>	
HMIS	

Health Hazards 2 Health Hazards Not determined

3 Flammability Not determined

Flammability

Instability 0 Physical hazards Not determined Special Hazards Not determined Personal Protection Not determined

Issue Date:	11-Jul-2018
Revision Date:	13-Jul-2018
Revision Note:	New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet