



# Safety Data Sheet – I-Robot Detergent

## 1. Identification of The Substance / Mixture and The Company

<b>Product Name</b>	iRobot Detergent
<b>Product Use:</b>	Floor cleaner
<b>Other Names and Synonyms</b>	Floor cleaning solutions
<b>Company Name, Address &amp; Phone Number</b>	I Robot Corporation 8 Crosby Drive M/S 12-2 Bedford MA 01730
<b>Emergency Phone Number(s)</b>	877-855-8593
<b>Email Address</b>	www.iRobot.com

## 2. Hazards Identification

<b>EMERGENCY OVERVIEW</b>	A colorless liquid with a pleasant odor. May irritate skin and eyes, especially with prolonged contact.
<b>Hazardous Preparations Classification</b>	R36/37/38 Irritating to eyes, respiratory system and skin. R52/53 Harmful to the aquatic environment. May cause long term adverse effects to the aquatic environment.  S2: Keep out of the reach of children S24/25: Avoid contact with skin and eyes. S39: Wear eye protection.
<b>CLP &amp; OSHA Classification</b>	Eye Irritant 2
<b>CLP &amp; OSHA Label Symbols</b>	
<b>CLP &amp; OSHA Hazard Statements</b>	H319: Causes serious eye irritation H411: Toxic to aquatic life with long lasting effects.
<b>CLP &amp; OSHA Precautionary Statements</b>	P102: Keep out of the reach of children. P262: Do not get in eyes, on skin or on clothing. P305-351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P280: Wear eye protection

### Potential Hazards

<b>Skin</b>	Irritating to the eyes.
<b>Eye</b>	May cause skin irritation.
<b>Ingestion</b>	May cause discomfort.
<b>Inhalation</b>	Vapors may irritate the throat.
<b>Chronic Hazards</b>	None noted
<b>Medical Conditions Aggravated by Exposure</b>	Existing skin, eye or respiratory irritation.
<b>Water</b>	May be harmful to aquatic species
<b>Soil</b>	Not anticipated to be harmful

## 3. Composition / Information on Ingredients

Dangerous Ingredient	EINECS #	CAS #	Weight %
sodium octane-1-sulphonate monohydrate	226-195-4	5324-84-5	1.1

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Skin irritant 2 (H315)    Eye damage 1 (H318) STOT SE 3 (resp. irritation) (H335)			
N,N-dimethyldecylamine N-oxide Skin irritant 2 (H315)    Eye damage 1 (H318) Acute Aquatic 1 (H400)	220-020-5	2605-79-0	1

## 4. First Aid Measures

<b>Skin</b>	Wash with running water. Remove contaminated clothing and launder before reuse.
<b>Eyes</b>	Rinse eyes in running water for up to 15 minutes. Get medical assistance for irritation..
<b>Ingestion</b>	Call a Poison Control Center for advice on discomfort.
<b>Inhalation</b>	Remove to fresh air for irritation.
<b>Notes to Physician</b>	Treat symptomatically

## 5. Fire-fighting Measures

Suitable Extinguishing Media	None – Product is water based
Unsuitable Extinguishing Media	None
Product of Combustion	Trace organics and water vapor
Protection of Firefighters	No special requirements
Fire Data (e.g. flash point)	This information is found in Section 9.

## 6. Accidental Release Measures

<b>Personal Precautions</b>	Wear proper personal protection equipment as indicated in Section 8.
<b>Environmental Precautions</b>	Do not allow product to enter sewers or waterway.
<b>Method of Containment</b>	Use rags or inert absorbent for small spills. Use clay barrier for large spills.
<b>Methods of Clean-Up</b>	Soak up with inert absorbent and wash area with water.

## 7. Handling and Storage

<b>Handling</b>	Wear proper personal protective equipment as indicated in Section 8. Wash thoroughly after handling and before eating or drinking.
<b>Storage</b>	Store in a cool, dry place. Keep containers closed during storage.

## 8. Exposure Control / Personal Protection.

<b>Ventilation</b>	In the absence of specific exposure recommendations, use general ventilation for work areas and local ventilation for liquid transfer points
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### Exposure Limits

Ingredient	EU	ACGIH TLV	Other Exposure Value
No ingredients listed			

### Personal Protective Equipment:

<b>Skin</b>	Safety glasses or goggles
<b>Eyes &amp; Face</b>	No normally required for product use. Use a face shield to transfer large quantities
<b>Respiratory</b>	Not required for adequately ventilated areas
<b>Other</b>	Source of running water in case of eye exposure.

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The use of adequate ventilation and mechanical controls must always take priority over the use of personal protection equipment

## 9. Physical and chemical properties

Appearance	Colorless liquid
Odor	Pleasant
Odor threshold	Not determined
pH	7 – 8.3
Melting point/freezing point	0 °C (32 °F)
Initial boiling point and range	100 °C (212 °F)
Flash point	None
Evaporation rate	Same as water
Flammability (solid, gas)	Not applicable
Upper/lower flammability limits	None
Vapor pressure	Same as water
Vapor density	Not determined
Relative density (specific gravity)	0.99 – 1.1
Solubility	Soluble in water
Octanol/water partition coefficient	Not determined
Auto-ignition temperature	Not applicable
Decomposition temperature	Not determined
Viscosity	Not determined

## 10. Stability and reactivity

Stability	Product is stable
Conditions to Avoid	None anticipated
Incompatible Materials	None
Hazardous Decomposition Products	Water vapor, minor organic constituents
Hazardous Reaction Potential	None

## 11. Toxicological information

Acute Effects	Sodium octane-1-sulphonate monohydrate: Oral, LD <sub>50</sub> : > 5000 mg/kg (rat) Irritant N,N-dimethyldecylamine N-oxide: Oral, LD <sub>50</sub> : > 5000 mg/kg (rat)
Chronic Effects	None noted

## 12. Ecological information

Ecotoxicity	Algae EC <sub>50</sub> OECD 201 0.0325 mg/L (Scenedemus subspicatus)
N,N-dimethyldecylamine N-oxide:	Algae EC <sub>50</sub> OECD 201 0.043 mg/L (Selenastrum capricornutum)
	Invertebrates: EC <sub>50</sub> OECD 202 7.4 mg/L Daphnia magna
	Fish EC <sub>50</sub> OECD 203 29.9 mg/L (Oryzias latipes)
	Fish EC <sub>50</sub> OECD 203 33.5 mg/ (Brachydanion rerio)
Persistence/Degradability	Not anticipated to be persistent
Bioaccumulation	ISO 14593 62%/7 days 82%/28 days
Mobility in Environment	No data
Other Adverse Effects	None

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## 13. Disposal consideration

<b>(U.S. only) RCRA Hazardous Waste if Discarded?</b>		If yes, RCRA ID Number:
<b>Disposal Methods</b>	May be disposed of like ordinary household cleansers. Do not dispose of in natural bodies of water (rivers, lakes, streams.)	

Unless specifically indicated, this information applies only to the product as shipped.

## 14. Transport information

<b>Rail and Truck Shipments</b>	Not regulated for transport in U.S. and Canada
<b>Water Shipments</b>	Not regulated for transport by water
<b>Air Shipments</b>	Not regulated for air shipments but it is prudent to ship via 'cargo only' aircraft.
<b>ADR</b>	Not regulated for surface transportation in EU

## 15. Regulatory information

<b>Chemical Inventories</b>	EINECS: European Union TSCA: United States DSL: Canada	Yes Yes Yes
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### (U.S. regulations)

<b>SARA 311/312 Status</b>	Immediate		
<b>SARA 313 Ingredients</b>	<b>Maximum Weight %</b>	<b>Comment</b>	
No ingredients listed	-----	-----	
<b>CERCLA Ingredients</b>		<b>RQ</b>	<b>TPQ</b>
No ingredients listed		-----	-----

RQ = Reportable Quantity TPQ = Threshold Planning Quantity

<b>WHMIS Classification (Canada)</b>	D2B This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
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## 16. Other information

<b>Current Issue Date</b>	January 14, 2015
<b>Expires</b>	January 2016
<b>Prepared by</b>	Technical Department
<b>Changes Made from Previous Issue</b>	None. New SDS

0 = Minimal Hazard 1 = Slight Hazard 2 = Moderate Hazard 3 = Severe Hazard 4 = Extreme Hazard