

# **Material Safety Data Sheet**

### Section 1. Chemical Product and Company Identification

Product name	IRONCLA	AD
Product use	Liquid Corro	sion Inhibitor
Product code	1365	
Date of issue	09/16/14	Supersedes 03/27/12

#### **Emergency Telephone Numbers**

#### For MSDS Information:

Technical Services Group Telephone (780) 453-8100 (Business Hours 8:00am - 5:00pm)

#### For Medical or Transportation Emergency

CANUTEC (24 Hours) (613) 996-6666 - Call Collect

#### Prepared By

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#### Section 2. Hazards Identification

Emergency overview WARNING !

FLAMMABLE LIQUID AND VAPOR. COMBUSTIBLE.

Keep away from heat, sparks and flame. Do not breathe vapor or mist. Avoid contact with skin and clothing. Contains material that may cause target organ damage, based on animal data. Use only with adequate ventilation. Keep container tightly closed and sealed until ready for use.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects **Routes of Entry** Dermal contact. Eye contact. Inhalation. Eyes May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching. Skin May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening. Direct contact may cause irritation and redness. Prolonged or repeated contact may dry skin and cause irritation. Inhalation Harmful by inhalation. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression. Ingestion Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Contains material which may cause damage to the following organs: blood, kidneys, lungs. Chronic effects Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Inhalation of spray mists or vapors may cause central nervous system depression characterized by headache, dizziness, nausea, and/or stupor. Repeated or prolonged exposure to the substance can produce target organs damage.

Additional Information: See Toxicological Information (Section 11)

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LIGHT ALIPHATIC NAPHTHA; solvent naphtha (petroleum), medium aliphatics; formerly: 6-	CAS number	% by Weight
light aromatic naphtha	64742-88-7	40 - 70

#### Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
 Skin Contact Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.

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Ingestion	exposed perso unconscious p	on is conscious, give small quantities	of water to drink.	If material has been swallowed and the Never give anything by mouth to an to by medical personnel. If vomiting occurs, Get medical attention.	
Section 5. Fire	Fighting Mea	asures			
Flash Point	Closed cu	р: 39.44°С (103°F)			
Flammable Lim	Flammable Limits Not available.				
Flammability	COMBUS	STIBLE LIQUID AND VAPOR.			
Auto-ignition T	emperature				
Fire-Fighting P	rocedures			ipment and self-contained breathing a positive pressure mode. Use dry chemical,	
Fire hazard		burst, with the risk of a subsequent along the ground. Vapors may acc	t explosion. The cumulate in low o	increase will occur and the container may vapor/gas is heavier than air and will spread or confined areas or travel a considerable off to sewer may create fire or explosion	
Products of Co	mbustion	carbon oxides (CO, CO <sub>2</sub> ), sulfur c compounds.	oxides (SO <sub>2</sub> , SO <sub>3</sub>	etc.), and other unidentified organic	
Explosion haza	ard	Not available.			
Section 6. Acc	idental Relea	se Measures	]		
Spill Clean up	without risk. inert dry mate	Move containers from spill area. Di	lute with water and the disposal contain	ve equipment (see section 8). Stop leak if nd mop up if water-soluble or absorb with an ner. Use spark-proof tools and explosion- or.	
Section 7. Han	dling and Sto	orage	]		
b v k	Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source.				

Wash thoroughly after handling.
 Storage Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep out

Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools.

of the reach of children.

Section 8. Exposure Controls/Personal Protection

Product name

Distillates (petroleum), hydrotreated light

## Exposure limits

CA British Columbia Provincial (Canada, 9/2010). Absorbed through skin. TWA: 200 mg/m<sup>3</sup>, (as total hydrocarbon vapour) 8 hour(s).
CA Alberta Provincial (Canada, 4/2009). Absorbed through skin. 8 hrs OEL: 200 mg/m<sup>3</sup>, (as total hydrocarbon vapour) 8 hour(s).
CA Ontario Provincial (Canada, 7/2010). Absorbed through skin. TWA: 200 mg/m<sup>3</sup> 8 hour(s).

#### Personal Protective Equipment (PPE)

Eyes	Recommended: Splash goggles. Face shield.
Hands and Body	Recommended: Wear appropriate protective clothing to prevent skin contact. Nitrile gloves. Rubber gloves. Chemical-resistant apron.
Respiratory	Recommended: Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

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Section 9. Physica	al and Chemical I	Properties					
pH P Boiling Point Specific Gravity C Solubility V	ical State       Liquid. [Viscous liquid.]         Not applicable         ng Point       >156.1°C (>313°F)         ific Gravity       0.83         pility       Very slightly soluble in the following materia water and hot water.			O Vapor Press Vapor Den Evaporation F	Color Opaque. Tan. [Light] Odor Solvent. por Pressure Not determined. apor Density >1 [Air = 1] coration Rate <1 (butyl acetate = 1) (Consumer) 5250.13 (g/l). 43.81 lbs/ 76.00%		
Section 10. Stabili	ty and Reactivity	,					
Stability and React Incompatibility Hazardous Polyme Hazardous Decom	Slightly Incomp flame. rization Will no	oduct is stable. y reactive or incompatible w patible with peroxides. Avoin of occur. S Under normal conditions produced.	d conta	act with strong ox	idizers, excessi		
Section 11. Toxico	logical Informat	ion					
Carcinogenicity In Acute Toxicity	gredients: Not listed	l as carcinogen by OSHA, N	TP or	IARC.			
Section 12. Ecolog	gical Information						
Environmental Effe		own significant effects or o	critical	l hazards.			
Distillates (petroleum), h	ydrotreated light	-		te LC50 2200 ug/L h water	Fish - Bluegill - Le macrochirus - 35 t mm		
Section 13. Dispos	al Consideration	าร					
Waste Stream Coo Cla			al or reg	ional authorities for ac	lditional informatio	n.	
Section 14. Trans	-		]				
Regulatory information	UN number	Proper shipping name	_ Classe	s PG'	Label	Additional information	
TDG Classification	Not regulated.			-		-	
IMDG Class						-	
	our shipment. Limite	ackage sizes. For specific cor ed Quantity: Small quantities					
Section 15. Regula	atory Information	I					
<u>Canada</u>							
WHMIS (Canada	and 9	B-3: Combustible liquid wi 3.3°C (200°F). D-2B: Material causing oth		-	37.8°C (100°F	)	
This product has been class required by the Controlled		h the hazard criteria of the Controlle	ed Produ	cts Regulations and th	ne MSDS contains a	all the information	

Product code 1365

Material Safety Data Sheet

Product Name IRONCLAD

#### Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.