

Material Safety Data Sheet

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Section 1-Product information

Product name	ONE-HOUR IP-Western Kit
Product Cat. No.	L00231, L00232, L00233

Section 2-Composition / information on ingredients

Substance/Preparation:	Preparation
Ingredient Name	ONE-HOUR IP-Western Kit
Dangerous components	Sodium hydroxide
CAS No.	1310-73-2
Percentage	0.1% - 10%
SARA 313	No

Section 3- Hazards identification

Emergency Overview Caution	The chemical, physical, and toxicological properties of this product have not been thoroughly investigated. Exercise due care.
Physical/chemical hazards	Harmful
Human health hazards	Harmful if swallowed Irritating to eyes and skin
HMIS Rating	
Health	3
Flammability	0
Reactivity	0
NAPA Rating	
Health	2
Flammability	0
Reactivity	1

For additional information on toxicity, please refer to Section 11

Section 4- First-aid measures

First-aid measures	
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin Contact	In case of skin contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Aggravating conditions	Repeated or prolonged exposure is not known to aggravate medical condition.

Section 5- Fire-fighting measures

Flammability of the Product	May be combustible at high temperature.
Extinguishing Media	
Suitable	Small fire: Use dry chemical powder. Large fire: Use water spray, fog or foam. Do not use water jet. Emits toxic fumes under fire conditions.
Hazardous thermal (de)composition products	
Special fire-fighting procedures	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Protection of fire-fighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6- Accidental release measures

Personal precautions	Evacuate area.
Small Spill and Leak	Use appropriate tools to put the spilled solid in a convenient waste disposal container.
Large Spill and Leak	Use a shovel to put the material into a convenient waste disposal container.

Section 7-Handling and storage

Handling	
User Exposure	Avoid Inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
Storage	Keep at 4 - 8°C. Keep tightly closed.
Packaging materials	
Recommended use	Use original container

Section 8-Exposure controls/personal protection

Engineering measures	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Hygiene measures	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Personal protective equipment	
Skin and body	Lab coat
Eyes	Safety glasses
Protective Clothing (Pictograms)	



Section 9- Physical and chemical properties

Physical state	Liquid
Color	Not available
Molecular Weight	Not available
Solubility	Not available
Flash point	Not available
Explosive properties	Risks of explosion of the product in presence of mechanical impact: Not available Risks of explosion of the product in presence of static discharge: Not available

Section 10- Stability and reactivity

Stability	The product is stable.
Hazardous Decomposition	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO,

Products NO₂...)

Section 11- Toxicological information

RTECS #	N/A
Acute toxicity	LD50: Not available LC50: Not available
Chronic toxicity	Repeated or prolonged exposure is not known to aggravate medical condition.
Other Toxic Effects on Humans	Not available No specific information is available in our database regarding the other toxic effects of this material for humans. Not available To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.
Carcinogenic effects	Not available
Mutagenic effects	Not available
Reproduction toxicity	Not available
Teratogenic effects	Not available

Section 12- Ecological information

Ecotoxicity	Not available
Toxicity of the Products of Biodegradation	Not available

Section 13- Disposal considerations

Methods of disposal; Waste of residues; Contaminated Packaging	Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.
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Section 14- Transport information

International transport regulations	
Land - Road/Railway	
ADR/RID Class	Not controlled under ADR (Europe)
Sea	
IMDG Class	Not controlled under IMDG
Air	
IATA-DGR Class	Not controlled under IATA
Special Provisions for Transport	Not applicable

Section 15- Regulatory information

EU Regulations	
Risk Phrases	This product is not classified according to the EU regulations.
U.S. Federal Regulations	TSCA: No products were found SARA 302/304/311/312 extremely hazardous substances: No products were found SARA 302/304 emergency planning and notification: No products were found SARA 302/304/311/312 hazardous chemicals: No products were found SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found SARA 313 toxic chemical notification and release reporting: No products were found Clean Water Act (CWA) 307: No products were found Clean Water Act (CWA) 311: No products were found Clean air act (CAA) 112 accidental release prevention: No products

HCS Classification	were found
State Regulations	Clean air act (CAA) 112 regulated flammable substances: No products were found
WHMIS (Canada)	Clean air act (CAA) 112 regulated toxic substances: No products were found
	Not controlled under the HCS (United States)
	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR. No products were found

Section 16- Other information

For R&D use only. Not for drug, household or other uses.

GenScript corporation MSDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.