

CI H-G Concentrate

— Synthetic All-Purpose Detergent

1. IDENTIFICATION

Product name	CI H-G Concentrate
Product code	CI-HGC
Other name(s)	CI H-G Concentrate Heavy-Duty All-Purpose Detergent Concentrate
Recommended use	Synthetic all-purpose detergent concentrate for industrial, commercial, and institutional cleaning applications
Restrictions on use	All uses other than those indicated on the product label and technical data sheet
WHMIS classification	Not a controlled product under WHMIS 2015
TDG classification	Not regulated — UN: N/A · Class: N/A · PG: N/A
Distributed by	Chem International (a division of Aliysha Enterprises Ltd.) 10770-180 Street NW, Edmonton, AB T5S 2S4
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2. HAZARDS IDENTIFICATION

HEALTH	FLAMMABILITY	PHYSICAL HAZARD	WHMIS CLASS
1	0	0	NOT CONTROLLED
Minor irritant — eyes/skin/ingestion	Non-flammable	Stable under normal conditions	

Classification of the Mixture

This product is not a controlled product under WHMIS 2015. It does not meet the criteria for classification in any GHS hazard class. No GHS hazard pictograms or signal word are required.

Label Elements

Labelling: Not required under GHS/WHMIS 2015. Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Other Hazards

Causes temporary eye discomfort and redness on direct contact. Prolonged or repeated skin contact may cause defatting of tissue. May cause nausea, vomiting, and diarrhea if ingested. No inhalation effects identified under normal use conditions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture. No ingredients are present at concentrations classified as hazardous to health or the environment under WHMIS 2015 / GHS or OSHA HCS. No hazardous ingredient disclosures are required.

Chemical Name / Description	CAS No.	Wt%	ACGIH TLV	LD50 / LC50
No hazardous ingredients — synthetic surfactant blend	N/A	N/A	N/A	N/A

4. FIRST-AID MEASURES

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Eye contact	Rinse with plenty of water for at least 15 minutes, holding eyelids apart. Seek medical attention if irritation persists.
Skin contact	Rinse thoroughly with water. Remove contaminated clothing. Seek medical advice if irritation develops.
Inhalation	No effects expected under normal use conditions. Move to fresh air if discomfort occurs.
Ingestion	If conscious, induce vomiting. Give large quantities of milk or water. Get medical attention immediately. Never give anything by mouth to an unconscious person.
Route of entry	Eyes, skin contact, inhalation, ingestion
Symptoms — acute	Eye: temporary discomfort and redness. Skin: discomfort and defatting with prolonged contact. Ingestion: nausea, vomiting, diarrhea.
Symptoms — chronic	No chronic effects identified.

5. FIRE-FIGHTING MEASURES

Flammability	Non-flammable
Flash point	N/A
UEL / LEL	N/A
Auto-ignition temperature	N/A
Suitable extinguishing media	Use media appropriate for surrounding fire
Hazardous combustion products	Carbon oxides and sodium oxides
Special firefighting procedures	As for surrounding fire. Standard precautions apply.
Sensitivity — mechanical impact	N/A
Sensitivity — static discharge	N/A

6. ACCIDENTAL RELEASE MEASURES

Small spills	Wash area with water.
Large spills	Contain and collect using absorbent material. Transfer to suitable labelled containers for disposal.
Environmental	Keep away from drains, surface water, and groundwater. Retain contaminated washwater and dispose in accordance with applicable regulations.
Personal protection	Rubber gloves and safety glasses recommended during clean-up. General ventilation is sufficient.

7. HANDLING AND STORAGE

Handling	Use in well-ventilated areas. General ventilation is sufficient under normal conditions. Avoid prolonged skin contact. Keep away from food, drink, and animal feedingstuffs.
Storage	Store in a cool, well-ventilated area. Keep container closed when not in use. Keep away from strong oxidizers. Protect from freezing — freezing point 0°C (32°F).
Incompatible materials	Strong oxidizers
Waste disposal	Dispose of in accordance with applicable federal, provincial, and local regulations at a designated disposal or landfill site.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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Exposure limits	No established OEL/TLV for this mixture.
Ventilation	General ventilation is sufficient under normal use conditions.
Gloves	Rubber or chemical-resistant gloves may be worn during extended handling.
Eye protection	Not normally required. Safety glasses or splash goggles may be worn as a precaution.
Respiratory	Not normally required under well-ventilated conditions.
Other PPE	Not specified for routine use.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Appearance	Amber, viscous liquid with slight odour
pH (1% solution)	8.0 – 8.5
Boiling point	100°C (212°F)
Freezing point	0°C (32°F)
Specific gravity (H ₂ O = 1)	1.024
Vapour pressure (mmHg)	N/A
Vapour density (Air = 1)	Not available
Solubility in water	100% — completely miscible
Evaporation rate (H ₂ O = 1)	Not available
Percent volatile (by vol.)	Not available
Flash point	N/A — non-flammable
Flammability	Non-flammable
Coefficient water/oil dist.	N/A
Odour threshold	N/A

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal ambient storage and handling conditions.
Incompatibility	Keep away from strong oxidizers.
Hazardous decomposition	Carbon oxides and sodium oxides may form upon combustion.
Hazardous reactions	N/A
Conditions to avoid	Freezing. Extreme heat. Contact with strong oxidizers.
Reactivity	N/A

11. TOXICOLOGICAL INFORMATION

Routes of entry	Eyes, skin contact, inhalation, ingestion
Acute — eye	Causes temporary discomfort and redness.
Acute — skin	Prolonged contact may cause discomfort and defatting of tissue.
Acute — inhalation	No effect identified under normal use conditions.
Acute — ingestion	May cause nausea, vomiting, and diarrhea.
Chronic effects	No chronic effects identified.
Carcinogenicity	Not classified as carcinogenic.
Reproductive toxicity	Not classified.
Mutagenicity	Not classified.

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12. ECOLOGICAL INFORMATION

Aquatic toxicity	No data available. Avoid release to the environment.
Persistence/degradability	No data available.
Bioaccumulation	No data available.
Mobility in soil	No data available.
Other adverse effects	Keep away from drains, surface water, and groundwater.

13. DISPOSAL CONSIDERATIONS

Product disposal	Dispose of in accordance with applicable federal, provincial, and local regulations at a designated landfill or waste treatment facility.
Container disposal	Completely emptied containers may be recycled where facilities permit. Handle contaminated containers in the same manner as the product itself.
Spill / washwater	Contain and collect. Do not discharge to sewer without authorization. Dispose per applicable regulations.

14. TRANSPORT INFORMATION

TDG (Canada)	Not regulated
US DOT (49 CFR)	Not regulated
IMDG (sea)	Not regulated
ICAO-IATA (air)	Not regulated
UN number	N/A
Packing group	N/A
Handling precautions	Protect from freezing during transport. Keep containers sealed.

15. REGULATORY INFORMATION

WHMIS 2015 (Canada)	Not a controlled product under WHMIS 2015.
TDG (Canada)	Not regulated under the Transportation of Dangerous Goods Regulations.
TSCA (US)	All ingredients are listed (ACTIVE) or exempt from the TSCA inventory.
DSL/NDSL (Canada)	All ingredients are listed on or exempt from the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL).

16. OTHER INFORMATION

Issue date	April 2026
Previous issue	March 27, 2014
Version	2.0
Supersedes	MSDS dated March 27, 2014 — updated to GHS / WHMIS 2015 format
Prepared by	Chem International Technical Services

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Disclaimer: Information for this safety data sheet 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 the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHMIS 2015. No warranty, expressed or implied, is made, and the supplier will not be liable for any losses, injuries, or consequential damage which may result from the use of or reliance on any information contained herein. This SDS is prepared in accordance with WHMIS 2015 / GHS and OSHA HCS 29 CFR 1910.1200.