

Nawkaw Emulsion Gloss Treatment

MSDS Preparation Date (dd/mm/yyyy): 12/02/2009

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product identifier : **Nawkaw Emulsion Gloss Treatment**

Product Code(s) : NEGT-64

Product Use : Acrylic coating for producing a shine or gloss appearance to masonry walls without sealing in moisture vapours.

Chemical Family : Mixture.

Supplier's name and address:
Nawkaw Corporation
2283 Argentia Road - #23
Mississauga, ON, Canada
L5N 5Z2

Manufacturer's name and address:
Refer to Supplier

Information Telephone No. : (905) 542-7893

24 Hr. Emergency Tel # : (613) 996-6666 (CANUTEC)

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Acrylic polymer	N/Av	55.00 - 65.00	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Milky, white liquid. Ammonia odour.
Inhalation of vapours in high concentration may cause irritation of respiratory system.
Repeated or excessive exposure may cause slight skin and eye irritation.

POTENTIAL HEALTH EFFECTS

Target organs : None expected, when used as intended.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* NO *Skin & Eyes:* YES *Ingestion:* YES

Signs and symptoms of short-term (acute) exposure

Inhalation : Inhalation of vapours may cause mild irritation to the mucous membrane. Effects of breathing high concentrations of vapour may include: Drowsiness; Vomiting.

Skin : Direct skin contact may result in little or no irritation.

Eyes : May cause mild eye irritation. Symptoms may include inflammation and tearing.

Ingestion : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Effects of long-term (chronic) exposure : None known or reported by the manufacturer.

Conditions aggravated by overexposure : None known or reported by the manufacturer.

Carcinogenic status : See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards : See TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects : See ECOLOGICAL INFORMATION, Section 12.

SECTION 4 - FIRST AID MEASURES

Inhalation : If inhaled, move to fresh air. If breathing has stopped, give artificial respiration. Obtain medical attention if symptoms develop and persist.

Skin contact : Immediately flush with plenty of water, while removing contaminated clothing. If irritation persists, seek prompt medical attention.

Eye contact : Immediately flush eye(s) with plenty of water. If irritation persists, seek prompt medical attention.

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Ingestion : Do not induce vomiting. Have victim rinse mouth with water, then give one to two glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.

Notes For Physician : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES**Fire hazards/conditions of flammability**

: Not flammable under normal conditions of handling. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure.

Flammability classification (OSHA 29 CFR 1910.1200)

: Non-flammable.

Flash point : N/Av

Flash point Method : N/Av

Auto-ignition temperature : N/Av

Lower flammable limit (% by vol.)

: N/Av

Upper flammable limit (% by vol.)

: N/Av

Oxidizing properties : None known.

Flame Projection Length : N/Av

Flashback observed : N/Av

Explosion data: Sensitivity to mechanical impact / static discharge

: Not expected to be sensitive to mechanical impact or static discharge.

Suitable extinguishing media : Use media suitable to the surrounding fire such as water fog or fine spray, alcohol foams, carbon dioxide and dry chemical.

Special fire-fighting procedures/equipment

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame.

Hazardous combustion products

: Carbon oxides and other irritating fumes and smoke.

NFPA Rating

0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

: *Health:* 0 *Flammability:* 0 *Instability:* 0 *Special Hazards:* None

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions : Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Wear appropriate protective equipment. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Spill response/cleanup : Remove all sources of ignition. Ventilate area of release. Stop spill or leak at source if safely possible. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Prohibited materials : None known.

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).
US CERCLA Reportable quantity (RQ): None reported.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures : Wear suitable protective equipment during handling. Use with adequate ventilation. See Section 8 for additional personal protection advice when handling this product. Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. Keep away from extreme heat and flame. Avoid contact with incompatible materials. Use caution when opening cap. Keep containers tightly closed when not in use. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

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- Storage requirements** : Store in a cool, dry, well-ventilated area. Store away from areas of excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.
- Incompatible materials** : Strong oxidizers (e.g. Chlorine, Peroxides, etc.).
- Special packaging materials** : Not available.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures

- : Use with adequate ventilation. Use sufficient mechanical ventilation to maintain exposures below the TLV.

Respiratory protection

- : None required when used as intended. If airbourne concentrations are above the permissible exposure limit or are not known, use NIOSH-approved respirators. Seek advice from respiratory protection specialists.

Skin protection

- : None required when used as intended. Use gloves to avoid prolonged skin contact. Advice should be sought from glove suppliers.

Eye / face protection

- : None required when used as intended. If splashing might occur, wear eye protection such as safety glasses with side shields.

Other protective equipment

- : Emergency showers and eyewash facilities should be nearby. Wear chemically protective gloves (impervious), boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.

General hygiene considerations

- : Avoid breathing vapour or mist. Avoid contact with eyes, skin and clothing. When using do not eat or drink. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

- Permissible exposure levels** : For individual ingredient exposure levels, see Section 2.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid.	Appearance	: Milky, white liquid.
Odour	: Ammonia odour.	Odour threshold	: N/Av
pH	: 8 - 10		
Boiling point	: N/Av	Specific gravity	: 1 - 2
Melting/Freezing point	: N/Av	Coefficient of water/oil distribution	: N/Av
Vapour pressure (mmHg @ 20° C / 68° F)	: N/Av	Solubility in water	: N/Av
Vapour density (Air = 1)	: N/Av	Evaporation rate (n-Butyl acetate = 1)	: N/Av
Volatile organic Compounds (VOC's)	: N/Av	Volatiles (% by weight)	: N/Av

SECTION 10 - REACTIVITY AND STABILITY DATA

- Stability and reactivity** : Stable under the recommended storage and handling conditions prescribed.
- Hazardous polymerization** : Will not occur.
- Conditions to avoid** : Avoid heat and open flame. Do not use in areas without adequate ventilation.
- Materials To Avoid And Incompatibility** : Incompatible materials (see Section 7).
- Hazardous decomposition products** : None known, refer to hazardous combustion products in Section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

- Toxicological data** : There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

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<u>Ingredients</u>	<u>LC₅₀(4hr)</u>	<u>LD₅₀</u>	
	<u>inh, rat</u>	<u>oral</u>	<u>dermal</u>
Acrylic polymer	N/Av	N/Av	N/Av

- Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Not expected to be a teratogen.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Epidemiology** : Not available.
- Sensitization to material** : Not expected to be a skin or respiratory sensitizer.
- Synergistic materials** : Not available.
- Irritancy** : May be mildly irritating to eyes and skin.
- other important hazards** : None known or reported by the manufacturer.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : The ecological characteristics of this product have not been fully investigated.

The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Important environmental characteristics

- : Not available.
- Ecotoxicological** : No data is available on the product itself.



SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : Handle waste according to recommendations in Section 7.
Empty containers retain residue (liquid and/or vapour) and can be dangerous.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations.
Contact your local, state, provincial or federal environmental agency for specific rules.
- RCRA** : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261.

It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
49CFR/DOT	None	Not regulated.	Not regulated	none	
49CFR/DOT Additional information	None.				
TDG	None	Not regulated.	Not regulated	none	
TDG Additional information	None.				

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SECTION 15 - REGULATORY INFORMATION

US Federal Information:

OSHA: This material is not classified as hazardous under OSHA regulations (29 CFR Part 1910.1200).

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: No hazards resulting from the material as supplied. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

International Information:

Canadian WHMIS Classification:

This product is not a WHMIS controlled product in Canada.

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

SECTION 16 - OTHER INFORMATION

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
Health: 1 Flammability: 0 Reactivity: 0

Legend : ACGIH: American Conference of Governmental Industrial Hygienists
 CAS: Chemical Abstract Services
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 CFR: Code of Federal Regulations
 DOT: Department of Transportation
 EPA: Environmental Protection Agency
 NFPA: National Fire Protection Association
 HMIS: Hazardous Materials Identification System
 HSDB: Hazardous Substances Data Bank
 IARC: International Agency for Research on Cancer
 Inh: Inhalation
 LC: Lethal Concentration
 LD: Lethal Dose
 N/Ap: Not Applicable
 N/Av: Not Available
 NIOSH: National Institute of Occupational Safety and Health
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible exposure limit
 RCRA: Resource Conservation and Recovery Act
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short Term Exposure Limit
 TLV: Threshold Limit Values



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TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

References

- : 1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2008.
- 2. International Agency for Research on Cancer Monographs, searched 2009.
- 3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2009 (Chempendium, HSDB and RTECs).
- 4. Material Safety Data Sheet from manufacturer.
- 5. California Proposition 65 List - December 19, 2008 version.
- 6. US EPA Title III List of Lists - October 2006 version.

<p>Prepared for: Nawkaw Corporation 2283 Argentia Road - #23 Mississauga, ON, Canada, L5N 5Z2 Telephone: (905) 542-7893 Please direct all enquiries to Nawkaw Corporation.</p>	
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