

Safety Data Sheet



CJ CHEMICALS
SETTING THE INDUSTRY STANDARD FOR CUSTOMER SERVICE

SECTION 1: Identification of the substance/mixture and the company/undertaking

1.1 Production identifiers

Product name : CAUSTIC SODA LIQUID (ALL GRADES)
Brand : CJ Chemicals LLC

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, synthesis of substances

1.3 Details of the supplier of the safety data sheet

Company : CJ Chemicals LLC
3469 E Grand River Rd #112
Howell, MI 48843
United States

Telephone : +1 (888) 274-1044

1.4 Emergency Telephone

Emergency Phone # : 1-800-424-9300 CHEMTREC (USA)
1-703-527-3887 CHEMTREC (international) 24 hours/day; 7 days/week

SECTION 2. HAZARDS IDENTIFICATION

DANGER!!

EXPOSURE PREVENTION: AVOID ALL CONTACT!



2.1 HAZARD STATEMENTS: (CAT = Hazard Category)

(H200s) PHYSICAL: Corrosive To Metals(CAT:1)

H290 MAY BE CORROSIVE TO METALS.

(H300s) HEALTH: Skin Corrosion/Skin Irritation(CAT:1)

H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

(H300s) HEALTH: Serious Eye Damage/Eye Irritation(CAT:1)

H318 CAUSES SERIOUS EYE DAMAGE.

(H300s) HEALTH: Target Organ Toxicity, Single Exposure(CAT:1)

H335 MAY CAUSE RESPIRATORY IRRITATION.

2.2 PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash with soap & water thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353 IF ON SKIN (OR HAIR): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| MATERIAL | CAS# | EINECS# | WT % |
|------------------|-----------|-----------|-------|
| Water | 7732-18-5 | 231-791-2 | 49-51 |
| Sodium Hydroxide | 1310-73-2 | 215-185-5 | 49-51 |
| Sodium Chloride | 7647-14-5 | - | 0- 5 |

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

COMPANY IDENTITY: CJ Chemicals
PRODUCT IDENTITY: CAUSTIC SODA LIQUID (ALL GRADES)
SDS NUMBER: 8130

SDS DATE: 09/03/2015
REPLACES: 12/11/2013

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SECTION 4. FIRST AID MEASURES

4.1 GENERAL ADVICE:

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists, refer to Section 8 for specific personal protective equipment.

4.2 EYE CONTACT:

If this product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. "Roll" eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate medical attention.

4.3 SKIN CONTACT:

If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, medical attention may be necessary. Wash contaminated clothing before reuse, discard contaminated shoes.

4.4 INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention.

4.5 SWALLOWING:

If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give two glasses of water to drink. DO NOT INDUCE VOMITING. Never induce vomiting or give liquids to someone who is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

4.6 NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (such as: Gastric lavage after endotracheal intubation).

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of label and SDS to physician or health professional with victim.

SECTION 5. FIRE FIGHTING MEASURES

5.1 FIRE & EXPLOSION PREVENTIVE MEASURES

Isolate from acids.

5.2 EXTINGUISHING MEDIA

In case of fire in surroundings, all extinguishing agents allowed.

5.3 SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

5.4 UNUSUAL EXPLOSION AND FIRE PROCEDURES

Noncombustible.

Isolate from acids. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 SPILL AND LEAK RESPONSE AND ENVIRONMENTAL PRECAUTIONS:

Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

6.2 PERSONAL PROTECTIVE EQUIPMENT

The proper personal protective equipment for incidental releases (such as: 1 Liter of the product released in a well-ventilated area), use impermeable gloves (triple-gloves (rubber gloves and nitrile gloves, over latex gloves), goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, specific for the material handled, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with latest OSHA and/or ANSI recommendations.

6.3 ENVIRONMENTAL PRECAUTIONS:

Stop spill at source. Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of the material. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate emergency assistance.

6.4 CONTAINMENT AND CLEAN-UP MEASURES:

Absorb spilled liquid with polypads or other suitable absorbent materials. If necessary, neutralize using suitable buffering material, (acid with soda ash or base with phosphoric acid), and test area with litmus paper to confirm neutralization. Clean up with non-combustible absorbent (such as: sand, soil, and so on). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal (see Section 13 - Disposal Considerations).

SECTION 7. HANDLING AND STORAGE

7.1 HANDLING

Use only with adequate ventilation. Do not get in eyes, on skin or clothing. Wear OSHA Standard full face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse. NEVER pour water into this substance. When dissolving or diluting, always add it slowly to the water.

7.2 STORAGE

Keep separated from strong oxidants, strong acids, metals, food & feedstuffs. Keep dry. Do not store above 49 C/120 F. Keep container tightly closed & upright when not in use to prevent leakage. Wear full face shield, gloves & full protective clothing when opening or handling. When empty, drain completely, replace bungs securely.

7.3 NONBULK: CONTAINERS:

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

7.4 BULK CONTAINERS:

All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

SECTION 7. HANDLING AND STORAGE (CONTINUED)

7.5 TANK CAR SHIPMENTS:

Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tanks (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

7.6 PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| MATERIAL | CAS# | EINECS# | TWA (OSHA) | TLV (ACGIH) |
|------------------|-----------|-----------|------------|-------------|
| Water | 7732-18-5 | 231-791-2 | None Known | None Known |
| Sodium Hydroxide | 1310-73-2 | 215-185-5 | None Known | None Known |
| Sodium Chloride | 7647-14-5 | - | None Known | None Known |

| MATERIAL | CAS# | EINECS# | CEILING | STEL(OSHA/ACGIH) | HAP |
|------------------|-----------|-----------|---------|------------------|-----|
| Sodium Hydroxide | 1310-73-2 | 215-185-5 | 2 ppm | None Known | No |

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

8.1 RESPIRATORY EXPOSURE CONTROLS

Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For a higher level of protection, use positive pressure supplied air respiration protection or Self-Contained Breathing Apparatus or if oxygen levels are below 19.5% or are unknown.

8.2 EMERGENCY OR PLANNED ENTRY INTO UNKNOWN CONCENTRATIONS OR IDLH CONDITIONS

Positive pressure, full-face piece Self-Contained Breathing Apparatus; or positive pressure, full-face piece Self-Contained Breathing Apparatus with an auxilliary positive pressure Self-Contained Breathing Apparatus.

8.3 VENTILATION

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Necessary
SPECIAL: None OTHER: None
Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

8.4 EYE PROTECTION:

Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.

8.5 HAND PROTECTION:

Wear appropriate impervious gloves for routine industrial use. Use impervious gloves for spill response, as stated in Section 6 of this SDS (Accidental Release Measures).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

8.6 BODY PROTECTION:

Use body protection appropriate for task. Cover-all, rubber aprons, or chemical protective clothing made from impervious materials are generally acceptable, depending on the task.

8.7 WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers. Wash at end of each shift & before eating, smoking or using the toilet. Remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

| | |
|--|---|
| APPEARANCE: | Liquid, Clear to Opaque, Colorless to Slightly Colored |
| ODOR: | None |
| ODOR THRESHOLD: | Not Available |
| PH: | Strong Basic |
| MELTING POINT/FREEZING POINT: | 14 C / 57 F (50% Solution) |
| BOILING RANGE(760 mmHg): | 145 C / 293 F (50% Solution) |
| FLASH POINT (TEST METHOD): | Not Applicable |
| EVAPORATION RATE (n-BUTYL ACETATE=1): | Not Applicable |
| FLAMMABILITY CLASSIFICATION: | Non-Combustible |
| LOWER FLAMMABLE LIMIT IN AIR (% by vol): | Not Applicable |
| UPPER FLAMMABLE LIMIT IN AIR (% by vol): | Not Available |
| VAPOR PRESSURE (mm of Hg)@20 C | 1.5mmHg |
| VAPOR DENSITY (air=1): | Not Available |
| GRAVITY @ 68/68F / 20/20C: | |
| DENSITY: | 1.52 (50% solution) |
| SPECIFIC GRAVITY (Water=1): | 1.52 (50% Solution) |
| POUNDS/GALLON: | 12.67 (50% Solution) |
| WATER SOLUBILITY: | Complete |
| PARTITION COEFFICIENT (n-Octane/Water): | Not Available |
| AUTO IGNITION TEMPERATURE: | Not Applicable |
| DECOMPOSITION TEMPERATURE: | Not Available |
| VOCs (>0.044 Lbs/Sq In) : | 0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal |
| TOTAL VOC'S (TVOC)*: | 0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal |
| NONEXEMPT VOC'S (CVOC)*: | 0.0 Vol% /0.0 g/L / 0.000 Lbs/Gal |
| HAZARDOUS AIR POLLUTANTS (HAPS): | 0.0 Wt% /0.0 g/L / 0.000 Lbs/Gal |
| NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) | 0.0 |

* Using CARB (California Air Resources Board Rules).

SECTION 10. STABILITY & REACTIVITY

10.1 STABILITY

Stable under normal conditions.

10.2 CONDITIONS TO AVOID

Isolate from extreme heat and open flame.

10.3 MATERIALS TO AVOID

Reacts violently with fire extinguishers containing water.
The substance is a strong base, reacts violently with acids and is corrosive.
Reacts with water generating sufficient heat to ignite combustible materials.
Reacts violently with strong acids, causing fire & explosion hazard. Attacks many plastics, rubber, coatings, many metals, such as aluminum, zinc, tin, & lead, forming flammable/explosive gas (hydrogen). Reacts with ammonium salts to produce ammonia & causing fire hazard. Rapidly absorbs carbon dioxide & water from the air. Contact with moisture will generate heat.

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SECTION 10. STABILITY & REACTIVITY (CONTINUED)

10.4 HAZARDOUS DECOMPOSITION PRODUCTS

Sodium Oxide & Hydroxide, Hydrogen Chloride, Phosgene from heating.

10.5 HAZARDOUS POLYMERIZATION

Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 ACUTE HAZARDS

11.11 EYE & SKIN CONTACT:

Severe burns to skin, defatting, dermatitis.

Severe burns to eyes, redness, tearing, blurred vision.

Liquid can cause severe skin & eye burns. Wash thoroughly after handling.

11.12 INHALATION:

Severe respiratory tract irritation may occur. Vapor harmful.

The applicable occupational exposure limit value should not be exceeded during any part of the working exposure.

11.13 SWALLOWING:

Harmful or fatal if swallowed.

11.2 SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED:

None Known.

11.3 CHRONIC HAZARDS

11.31 CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

11.32 IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

11.33 SENSITIZATION TO THE PRODUCT: No component of this product is known as a sensitizer.

11.34 MUTAGENICITY: No known reports of mutagenic effects in humans.

11.35 EMBRYOTOXICITY: No known reports of embryotoxic effects in humans.

11.36 TERATOGENICITY: No known reports of teratogenic effects in humans.

11.37 REPRODUCTIVE TOXICITY: No known reports of reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.

11.4 MAMMALIAN TOXICITY INFORMATION

SODIUM HYDROXIDE:

Eye irritancy (monkey): 1%, 24 hours (severe)

Eye irritancy (rabbit): 500 ml, 24 hours (severe)

Eye irritancy (rabbit): 1% solution (severe)

Eye irritancy (rabbit): 1 mg, 24 hours (severe)

Cytogenic analysis system (grasshopper parenteral): 20 mg

LD50 (interperoneal, mouse): 40 mg/kg

LDLo (oral, rabbit): 500 mg/kg

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SECTION 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.1 EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

12.2 EFFECT OF MATERIAL ON AQUATIC LIFE:

No aquatic environmental information is available on this product. The substance may be hazardous in the environment. Special attention should be given to water organisms.

12.3 MOBILITY IN SOIL

Mobility of this material has not been determined.

12.4 DEGRADABILITY

This product is partially biodegradable.

12.5 ACCUMULATION

Bioaccumulation of this product has not been determined.

SECTION 13. DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal.

ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D002

SECTION 14. TRANSPORT INFORMATION

IF > 1547 LB / 703 KG OF THIS PRODUCT IS IN 1 CONTAINER, IT EXCEEDS THE RQ OF SODIUM HYDROXIDE. "RQ" MUST BE PUT BEFORE THE DOT SHIPPING NAME.

MARINE POLLUTANT: No

DOT/TDG SHIP NAME: UN1824, Sodium hydroxide solution, 8, PG-II

DRUM LABEL: (CORROSIVE)

IATA / ICAO: UN1824, Sodium hydroxide solution, 8, PG-II

IMO / IMDG: UN1824, Sodium hydroxide solution, 8, PG-II

EMERGENCY RESPONSE GUIDEBOOK NUMBER: 154

SECTION 15. REGULATORY INFORMATION

15.1 EPA REGULATIONS:

SARA SECTION 311/312 HAZARDS: Acute Health

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification

This product contains the indicated <*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.



| SARA TITLE III INGREDIENTS | CAS# | EINECS# | WT% | (REG. SECTION) | RQ(LBS) |
|----------------------------|-----------|-----------|-------|----------------|---------|
| Sodium Hydroxide | 1310-73-2 | 215-185-5 | 49-51 | (311,312) | 1000 |

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SECTION 15. REGULATORY INFORMATION (CONTINUED)

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

15.2 STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):

This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

15.3 U.S. STATE REGULATED COMPONENTS: (HAZARDOUS SUBSTANCE LISTS):

| COMPONENT | AK | CA | FL | IL | KS | MA | MI | MN |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| Sodium Hydroxide | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| COMPONENT | MO | NJ | ND | PA | RI | TX | WV | WI |
| Sodium Hydroxide | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

NOTE: Absence of a state from this list does not mean the material is not regulated.

15.4 INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

15.5 CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating to skin / eyes.

E: Corrosive Material.

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

SECTION 16. OTHER INFORMATION

16.1 HAZARD RATINGS:

HEALTH (NFPA): 3, HEALTH (HMIS): 3, FLAMMABILITY: 0, PHYSICAL HAZARD: 1
(Personal Protection Rating to be supplied by user based on use conditions.)

This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

16.2 EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

16.3 SDS DATE: 09/03/2015

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NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Safety Data Sheet was prepared by: Chemical Data Services, e-mail: chemdatsrv@aol.com.

Unless updated, the Safety Data Sheet is valid until 09/03/2018.