

## SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements and the International Chemical Safety Cards of the Global Harmonizing System.

THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this SDS before handling & disposing of this product.

Pass this information on to employees, customers, & users of this product.

### SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: CSN FLUX HD  
PRODUCT PURPOSE: CARPET PRE-SPRAY  
COMPANY IDENTITY: Cleaning Supply Network  
COMPANY ADDRESS: 165 Chaseville Street  
COMPANY CITY: Pensacola, FL 32507  
COMPANY PHONE: 1-850-434-9997  
EMERGENCY PHONES: INFOTRAC: 1-800-535-5053 (USA)

### SECTION 2. HAZARDS IDENTIFICATION

WARNING!!



#### HAZARD STATEMENTS:

H100s = General, H200s = Physical, H300s = Health, H400s = Environmental  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H320 Causes eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.

#### PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT %
Sodium Metasilicate Pentahydrate	6834-92-0	-	5 - 10
2(2-Butoxyethoxy)ethanol	112-34-5	203-961-6	5 - 10

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).

### SECTION 4. FIRST AID MEASURES

#### 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.

#### 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.

**SECTION 4. FIRST AID MEASURES (CONTINUED)****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.

**INHALATION:**

After high vapor exposure, remove to fresh air. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. Keep person warm and at rest. breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). Seek immediate medical attention. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**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.

**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).

**SECTION 5. FIRE FIGHTING MEASURES****FIRE & EXPLOSION PREVENTIVE MEASURES**

Above flash point, use a closed system, ventilation,

**EXTINGUISHING MEDIA**

Use dry powder, alcohol-resistant foam, water spray, carbon dioxide. .  
use appropriate extinguishing media.

**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).

**UNUSUAL EXPLOSION AND FIRE PROCEDURES**

Isolate from oxidizers, heat, & open flame.  
Closed containers may explode if exposed to extreme heat.  
Applying to hot surfaces requires special precautions.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****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. ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area).

**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

COMPANY IDENTITY: CLEANING SUPPLY NETWORK

PRODUCT: FLUX HD

**SECTION 6. ACCIDENTAL RELEASE MEASURES (CONTINUED)**

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.

**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.

**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****HANDLING**

Use only with adequate ventilation. Avoid or repeated breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

**STORAGE**

Isolate from strong oxidants. Do not store above 49 C/120 F.  
Keep container tightly closed & upright when not in use to prevent leakage.

**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.

**EMPTY CONTAINER WARNING:**

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Sodium Metasilicate Pentahydrate	6834-92-0	-	None Known	None Known
2(2-Butoxyethoxy)ethanol	112-34-5	203-961-6	None Known	25 ppm

MATERIAL	CAS#	EINECS#	CEILING	STEL(OSHA/ACGIH)	HAP
2(2-Butoxyethoxy)ethanol	112-34-5	203-961-6	None Known	None Known	Yes
Each component showing 'Yes' under "HAP" is an EPA Hazardous Air Pollutant.					

**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.

COMPANY IDENTITY: CLEANING SUPPLY NETWORK

PRODUCT: FLUX HD

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)**

## 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.

## EYE PROTECTION:

Splash goggles or safety glasses.

## HAND PROTECTION:

Use gloves chemically resistant to this material. Preferred examples: Butyl rubber, Chlorinated Polyethylene, Polyethylene, Ethyl Vinyl Alcohol Laminate ("EVAL"), Polyvinyl Alcohol ("PVA"). Examples of acceptable glove barrier materials include: Natural Rubber ("Latex"), Neoprene, Nitrile/Butadiene Rubber ("Nitril") or ("NBR"), Polyvinyl Chloride ("PVC" or "Vinyl"), Viton.

## BODY PROTECTION:

Use body protection appropriate for task.

**SECTION 9. PHYSICAL & CHEMICAL PROPERTIES**

APPEARANCE:	Clear Liquid
ODOR:	Orange
ODOR THRESHOLD:	Not Available
pH (Neutrality):	12.4
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP,50%,Dry Point):	100 100 235* C/212 212 455* F(*=End Point)
FLASH POINT (TEST METHOD):	> 93 C / > 201 F
EVAPORATION RATE (n-Butyl Acetate=1):	Not Applicable
FLAMMABILITY CLASSIFICATION:	Class IIIA
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	17.5
VAPOR DENSITY (air=1):	0.688
GRAVITY @ 68/68 F / 20/20 C:	
DENSITY:	1.025
SPECIFIC GRAVITY (Water=1):	1.026
POUNDS/GALLON:	8.546
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) :	Not Available
TOTAL VOC'S (TVOC)*:	0.08 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	0.00 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	5.0 Wt%
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	Not
VISCOSITY @ 20 C (ASTM D445):	Not Available

\* Using CARB (California Air Resources Board Rules).

**SECTION 10. STABILITY & REACTIVITY**

## STABILITY

Stable under normal conditions.

## CONDITIONS TO AVOID

Isolate from oxidizers, heat, & open flame.

## MATERIALS TO AVOID

Reacts with strong oxidants, causing fire & explosion hazard.

## HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Sodium Oxide & Hydroxide, Sulfur Oxides from heating.

## HAZARDOUS POLYMERIZATION

Will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION****ACUTE HAZARDS****EYE & SKIN CONTACT:**

Primary irritation to skin, defatting, dermatitis.  
 Absorption thru skin increases exposure.  
 Primary irritation to eyes, redness, tearing, blurred vision.  
 Liquid can cause eye irritation. Wash thoroughly after handling.

**INHALATION:**

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful. Breathing vapor can cause irritation. Acute overexposure can cause harm to affected organs by routes of entry.

**SWALLOWING:**

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

**SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED****CONDITIONS AGGRAVATED**

Chronic overexposure can cause harm to affected organs by routes of entry. Persons with severe skin, liver or kidney problems should avoid use.

**CHRONIC HAZARDS****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%. Absorption thru skin may be harmful.

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

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

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

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

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

**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.

**MAMMALIAN TOXICITY INFORMATION**

MATERIAL	CAS#	EINECS#	LOWEST KNOWN LETHAL DOSE DATA
2(2-Butoxyethoxy)ethanol	112-34-5	203-961-6	LOWEST KNOWN LD50 (ORAL) 6560.0 mg/kg(Rats)
2(2-Butoxyethoxy)ethanol	112-34-5	203-961-6	LOWEST KNOWN LD50 (SKIN) 4120.0 mg/kg (Rabbits)

**SECTION 12. ECOLOGICAL INFORMATION**

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**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.

COMPANY IDENTITY: CLEANING SUPPLY NETWORK

PRODUCT: FLUX HD

**SECTION 12. ECOLOGICAL INFORMATION (CONTINUED)****EFFECT OF MATERIAL ON AQUATIC LIFE:**

No aquatic environmental information is available on this product.

**MOBILITY IN SOIL**

Mobility of this material has not been determined.

**DEGRADABILITY**

This product is partially biodegradable.

**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.**

**SECTION 14. TRANSPORT INFORMATION**

MARINE POLLUTANT: No  
 DOT/TDG SHIP NAME: Not Regulated  
 DRUM LABEL: None  
 IATA / ICAO: Not Regulated  
 IMO / IMDG: Not Regulated  
 EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

**SECTION 15. REGULATORY INFORMATION****EPA REGULATION:**

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)
*2(2-Butoxyethoxy)ethanol	112-34-5	203-961-6	5	(313)	None

**STATE REGULATIONS:**

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 & SIMILAR 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.

**INTERNATIONAL REGULATIONS**

The identified 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).

**CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)**

D2B: Irritating to skin / eyes.

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

**SECTION 16. OTHER INFORMATION**

## HAZARD RATINGS:

HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 1, PHYSICAL HAZARD: 0  
(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.

## 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.

SDS DATE: 01/19/2015

**NOTICE**

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