

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
SDS ID: C001017
Issue date: 7/1/2020 Revision date: 7/1/2020 Supersedes: 6/30/2020 Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Cuda 1993 The Original
Product code : C001017-040-CAN

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Industrial use

1.3. Supplier

Cuda Cleaning Systems
600 21st Street SW
Watertown, SD 57201 - USA
T 844-394-4412

1.4. Emergency telephone number

Emergency number : 800-535-5053

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin Corr. 1	H314	Causes severe skin burns and eye damage
Eye Dam. 1	H318	Causes serious eye damage

Full text of hazard classes and H-statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

Precautionary statements (GHS US) : P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a poison center or doctor.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Sodium Carbonate	CAS-No.: 497-19-8	20 – 50	Acute Tox. 4 (Inhalation:dust,mist), H332
Sodium Metasilicate	CAS-No.: 6834-92-0	10 – 20	Skin Corr. 1, H314 Eye Dam. 1, H318
Oxirane, Methyl-, Polymer	CAS-No.: 9003-11-6	5 – 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 3, H402
Diethylene Glycol Mono-Butyl Ether	CAS-No.: 112-34-5	1 – 3	Eye Irrit. 2A, H319

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Cuda 1993 The Original

No additional information available

Sodium Metasilicate (6834-92-0)

No additional information available

Sodium Carbonate (497-19-8)

No additional information available

Oxirane, Methyl-, Polymer (9003-11-6)

No additional information available

Diethylene Glycol Mono-Butyl Ether (112-34-5)

USA - ACGIH - Occupational Exposure Limits

Local name	Diethylene glycol monobutyl ether
ACGIH OEL TWA [ppm]	10 ppm (Inhalable fraction and vapor)

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Protective gloves. Wear protective gloves.

Eye protection:

Safety glasses. Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: White
Odor	: characteristic
Odor threshold	: No data available
pH	: 12.8
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Sodium Metasilicate (6834-92-0)

LD50 dermal rat	> 5000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Read-across, Dermal)
LC50 inhalation rat (mg/l)	> 2.06 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Read-across, Inhalation (vapours))

Sodium Carbonate (497-19-8)

LD50 oral rat	2800 mg/kg (Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg (16 CFR 1500. 40, 24 h, Rabbit, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	2.3 mg/l (2 h, Rat, Male, Experimental value, Inhalation (aerosol))
ATE US (oral)	2800 mg/kg body weight
ATE US (vapors)	2.3 mg/l/4h
ATE US (dust, mist)	2.3 mg/l/4h

Diethylene Glycol Mono-Butyl Ether (112-34-5)

LD50 dermal rabbit	2764 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)
ATE US (dermal)	2764 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns.
pH: 12.8

Serious eye damage/irritation : Causes serious eye damage.
pH: 12.8

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : Not applicable

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact : Burns.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

Sodium Metasilicate (6834-92-0)

LC50 - Fish [1]	210 mg/l (Equivalent or similar to OECD 203, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value)
EC50 - Daphnia [1]	1700 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)

Sodium Carbonate (497-19-8)

LC50 - Fish [1]	300 mg/l (Other, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value)
EC50 - Daphnia [1]	200 – 227 mg/l (Other, 48 h, Ceriodaphnia sp., Semi-static system, Fresh water, Experimental value)

Diethylene Glycol Mono-Butyl Ether (112-34-5)

LC50 - Fish [1]	1300 mg/l (Equivalent or similar to OECD 203, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Daphnia [1]	> 100 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	1101 mg/l (Equivalent or similar to OECD 201, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)

12.2. Persistence and degradability

Cuda 1993 The Original

Persistence and degradability	Not established.
-------------------------------	------------------

Sodium Metasilicate (6834-92-0)

Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Sodium Carbonate (497-19-8)

Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

Oxirane, Methyl-, Polymer (9003-11-6)

Persistence and degradability	Not readily biodegradable in water.
-------------------------------	-------------------------------------

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Persistence and degradability	Readily biodegradable in water.
-------------------------------	---------------------------------

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

12.3. Bioaccumulative potential

Cuda 1993 The Original

Bioaccumulative potential	Not established.
---------------------------	------------------

Sodium Metasilicate (6834-92-0)

Bioaccumulative potential	Bioaccumulation: not applicable.
---------------------------	----------------------------------

Sodium Carbonate (497-19-8)

Partition coefficient n-octanol/water (Log Pow)	-6.19 (Estimated value)
---	-------------------------

Bioaccumulative potential	Not bioaccumulative.
---------------------------	----------------------

Oxirane, Methyl-, Polymer (9003-11-6)

Bioaccumulative potential	Not bioaccumulative.
---------------------------	----------------------

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Partition coefficient n-octanol/water (Log Pow)	1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C)
---	---

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
---------------------------	--

12.4. Mobility in soil

Sodium Metasilicate (6834-92-0)

Ecology - soil	No (test)data on mobility of the substance available.
----------------	---

Sodium Carbonate (497-19-8)

Ecology - soil	Low potential for adsorption in soil.
----------------	---------------------------------------

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Surface tension	27 mN/m (25 °C, 0.00212 mol/g)
-----------------	--------------------------------

Ecology - soil	Low potential for adsorption in soil.
----------------	---------------------------------------

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Sodium Metasilicate (6834-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium Carbonate (497-19-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Oxirane, Methyl-, Polymer (9003-11-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

15.2. International regulations

CANADA

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

Cuda 1993 The Original

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 07/01/2020

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H-phrases	
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Corr. 1	Skin corrosion/irritation Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H402	Harmful to aquatic life

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Id FDS: C001017

Date d'émission: 2020-07-01 Date de révision: 2020-07-01 Remplace la fiche: 2020-06-30 Version: 1.1

SECTION 1: Identification

1.1. Identification

Forme du produit : Mélange
Nom du produit : Cuda 1993 The Original
Code du produit : C001017-040-CAN

1.2. Usage recommandé et restrictions d'utilisation

Utilisation de la substance/mélange : Industrial use

1.3. Fournisseur

Cuda Cleaning Systems
600 21st Street SW
Watertown, SD 57201 - USA
T 844-394-4412

1.4. Numéro d'appel d'urgence

Numéro d'urgence : 800-535-5053

SECTION 2: Identification des dangers

2.1. Classification de la substance ou du mélange

Classification SGH-US

Skin Corr. 1	H314	Provoque des brûlures de la peau et des lésions oculaires graves
Eye Dam. 1	H318	Provoque des lésions oculaires graves

Texte intégral des catégories de classification et des mentions H : voir section 16

2.2. Éléments d'étiquetage SGH, y compris conseils de prudence

Étiquetage GHS US

Pictogrammes de danger (GHS US) :



Mention d'avertissement (GHS US) :

Danger

Mentions de danger (GHS US) :

H314 - Provoque des brûlures de la peau et des lésions oculaires graves
H318 - Provoque des lésions oculaires graves

Conseils de prudence (GHS US) :

P260 - Ne pas respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols.
P264 - Se laver les mains, les avant-bras et le visage soigneusement après manipulation.
P280 - Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage.
P301+P330+P331 - En cas d'ingestion: rincer la bouche. NE PAS faire vomir.
P303+P361+P353 - En cas de contact avec la peau (ou les cheveux): Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau/Se doucher.
P304+P340 - En cas d'inhalation: transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer.
P305+P351+P338 - EN CAS DE CONTACT AVEC LES YEUX: Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P310 - Appeler immédiatement un centre antipoison ou un médecin.
P321 - Traitement spécifique (voir les instructions supplémentaires de premiers soins sur cette étiquette).
P363 - Laver les vêtements contaminés avant réutilisation.
P405 - Garder sous clef.
P501 - Éliminer le contenu/récipient dans un centre de collecte de déchets dangereux ou spéciaux, conformément à la réglementation locale, régionale, nationale et/ou internationale.

2.3. Autres dangers non classés

Pas d'informations complémentaires disponibles

2.4. Unknown acute toxicity (GHS US)

Non applicable

SECTION 3: Composition/information sur les ingrédients

3.1. Substances

Non applicable

3.2. Mélanges

Nom	Identificateur de produit	%	Classification SGH-US
Sodium Carbonate	n° CAS: 497-19-8	20 – 50	Acute Tox. 4 (Inhalation:dust,mist), H332
Sodium Metasilicate	n° CAS: 6834-92-0	10 – 20	Skin Corr. 1, H314 Eye Dam. 1, H318
Oxirane, Methyl-, Polymer	n° CAS: 9003-11-6	5 – 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 3, H402
Diethylene Glycol Mono-Butyl Ether	n° CAS: 112-34-5	1 – 3	Eye Irrit. 2A, H319

Texte intégral des catégories de classification et des mentions H : voir section 16

SECTION 4: Premiers soins

4.1. Description des premiers secours

Premiers soins général	: Call a physician immediately. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Premiers soins après inhalation	: Transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer. Allow affected person to breathe fresh air. Allow the victim to rest.
Premiers soins après contact avec la peau	: Rincer la peau à l'eau/Se doucher. Enlever immédiatement les vêtements contaminés. Call a physician immediately. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Premiers soins après contact oculaire	: Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. Call a physician immediately. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
Premiers soins après ingestion	: Rincer la bouche. Do not induce vomiting. Call a physician immediately. NE PAS faire vomir. Obtain emergency medical attention.

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4.2. Symptômes et effets les plus importants, aigus ou retardés

Effets néfastes potentiels sur la santé humaine et symptômes possibles	: Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
Symptômes/effets	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptômes/effets après contact avec la peau	: Burns.
Symptômes/effets après contact oculaire	: Serious damage to eyes.
Symptômes/effets après ingestion	: Burns.

4.3. Nécessité d'une prise en charge médicale immédiate ou d'un traitement spécial, si nécessaire

Treat symptomatically.

SECTION 5: Mesures à prendre en cas d'incendie

5.1. Moyens d'extinctions appropriés (et non appropriés)

Moyens d'extinction appropriés	: Water spray. Dry powder. Foam. Carbon dioxide. Sand.
Agents d'extinction non appropriés	: Do not use a heavy water stream.

5.2. Dangers spécifiques dus au produit chimique

Produits de décomposition dangereux en cas d'incendie	: Toxic fumes may be released.
---	--------------------------------

5.3. Équipements de protection spéciaux et précautions spéciales pour les pompiers

Instructions de lutte contre l'incendie	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection en cas d'incendie	: Do not attempt to take action without suitable protective equipment. Appareil de protection respiratoire autonome isolant. Complete protective clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Mesures à prendre en cas de déversement accidentel

6.1. Précautions individuelles, équipement de protection et procédures d'urgence

6.1.1. Pour les non-secouristes

Procédures d'urgence	: Ventilate spillage area. Éviter le contact avec la peau et les yeux. Ne pas respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols. Evacuate unnecessary personnel.
----------------------	--

6.1.2. Pour les secouristes

Équipement de protection	: Do not attempt to take action without suitable protective equipment. Pour plus d'informations, se reporter à la section 8 : "Contrôle de l'exposition-protection individuelle". Equip cleanup crew with proper protection.
Procédures d'urgence	: Ventilate area.

6.2. Précautions pour la protection de l'environnement

Éviter le rejet dans l'environnement. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Méthodes et matériel de confinement et de nettoyage

Procédés de nettoyage	: Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimise generation of dust. Stocker à l'écart des autres matières.
Autres informations	: Dispose of materials or solid residues at an authorized site.

6.4. Référence à d'autres rubriques

For further information refer to section 13. See Heading 8. Exposure controls and personal protection.

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 7: Manutention et stockage

7.1. Précautions à prendre pour une manipulation sans danger

Précautions à prendre pour une manipulation sans danger	: Ensure good ventilation of the work station. Éviter le contact avec la peau et les yeux. Ne pas respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols. Porter un équipement de protection individuel. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
Mesures d'hygiène	: Laver les vêtements contaminés avant réutilisation. Ne pas manger, boire ou fumer en manipulant ce produit. Always wash hands after handling the product.

7.2. Conditions nécessaires pour assurer la sécurité du stockage, tenant compte d'éventuelles incompatibilités

Conditions de stockage	: Garder sous clef. Stocker dans un endroit bien ventilé. Tenir au frais. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Produits incompatibles	: Strong bases. Strong acids.
Matières incompatibles	: Sources of ignition. Direct sunlight.

SECTION 8: Contrôles de l'exposition/protection individuelle

8.1. Paramètres de contrôle

Cuda 1993 The Original

Pas d'informations complémentaires disponibles

Sodium Metasilicate (6834-92-0)

Pas d'informations complémentaires disponibles

Sodium Carbonate (497-19-8)

Pas d'informations complémentaires disponibles

Oxirane, Methyl-, Polymer (9003-11-6)

Pas d'informations complémentaires disponibles

Diethylene Glycol Mono-Butyl Ether (112-34-5)

USA - ACGIH - Valeurs limites d'exposition professionnelle

Nom local	Diethylene glycol monobutyl ether
ACGIH OEL TWA [ppm]	10 ppm (Inhalable fraction and vapor)

8.2. Contrôles techniques appropriés

Contrôles techniques appropriés	: Ensure good ventilation of the work station.
Contrôle de l'exposition de l'environnement	: Éviter le rejet dans l'environnement.

8.3. Mesures de protection individuelle/équipements de protection individuelle

Équipement de protection individuelle:

Avoid all unnecessary exposure.

Protection des mains:

Protective gloves. Porter des gants de protection.

Protection oculaire:

Lunettes bien ajustables. Chemical goggles or safety glasses

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Protection de la peau et du corps:

Porter un vêtement de protection approprié

Protection des voies respiratoires:

In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate mask

Symbole(s) de l'équipement de protection individuelle:



Autres informations:

Do not eat, drink or smoke during use.

SECTION 9: Propriétés physiques et chimiques

9.1. Informations sur les propriétés physiques et chimiques essentielles

État physique	: Solide
Couleur	: White
Odeur	: characteristic
Seuil olfactif	: Aucune donnée disponible
pH	: 12,8
Point de fusion	: Aucune donnée disponible
Point de congélation	: Non applicable
Point d'ébullition	: Aucune donnée disponible
Point d'éclair	: Non applicable
Vitesse d'évaporation relative (acétate de butyle=1)	: Aucune donnée disponible
Inflammabilité (solide, gaz)	: Ininflammable.
Pression de la vapeur	: Aucune donnée disponible
Densité relative de la vapeur à 20 °C	: Aucune donnée disponible
Densité relative	: Aucune donnée disponible
Solubilité	: Aucune donnée disponible
Coefficient de partage n-octanol/eau (Log Pow)	: Aucune donnée disponible
Température d'auto-inflammation	: Non applicable
Température de décomposition	: Aucune donnée disponible
Viscosité, cinématique	: Non applicable
Viscosité, dynamique	: Aucune donnée disponible
Limites d'explosivité	: Non applicable
Propriétés explosives	: Aucune donnée disponible
Propriétés comburantes	: Aucune donnée disponible

9.2. Autres informations

Pas d'informations complémentaires disponibles

SECTION 10: Stabilité et réactivité

10.1. Réactivité

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Stabilité chimique

Stable under normal conditions. Not established.

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.3. Possibilité de réactions dangereuses

No dangerous reactions known under normal conditions of use. Not established.

10.4. Conditions à éviter

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

10.5. Matières incompatibles

Strong acids. Strong bases.

10.6. Produits de décomposition dangereux

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Données toxicologiques

11.1. Informations sur les effets toxicologiques

Toxicité Aiguë (voie orale) : Non classé
Toxicité Aiguë (voie cutanée) : Non classé
Toxicité aigüe (inhalation) : Non classé

Sodium Metasilicate (6834-92-0)

DL 50 cutanée rat	> 5000 mg/kg de poids corporel (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Read-across, Dermal)
CL50 inhalation rat (mg/l)	> 2,06 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Read-across, Inhalation (vapours))

Sodium Carbonate (497-19-8)

DL50 orale rat	2800 mg/kg (Rat, Male/female, Experimental value, Oral, 14 day(s))
DL50 cutanée lapin	> 2000 mg/kg (16 CFR 1500. 40, 24 h, Rabbit, Experimental value, Dermal)
CL50 inhalation rat (mg/l)	2,3 mg/l (2 h, Rat, Male, Experimental value, Inhalation (aerosol))
ATE US (voie orale)	2800 mg/kg de poids corporel
ATE US (vapeurs)	2,3 mg/l/4h
ATE US (poussières, brouillard)	2,3 mg/l/4h

Diethylene Glycol Mono-Butyl Ether (112-34-5)

DL50 cutanée lapin	2764 mg/kg de poids corporel (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)
ATE US (voie cutanée)	2764 mg/kg de poids corporel

Corrosion cutanée/irritation cutanée : Causes severe skin burns.
pH: 12,8
Lésions oculaires graves/irritation oculaire : Provoque des lésions oculaires graves.
pH: 12,8
Sensibilisation respiratoire ou cutanée : Non classé
Mutagénicité sur les cellules germinales : Non classé
Cancérogénicité : Non classé
Toxicité pour la reproduction : Non classé
Toxicité spécifique pour certains organes cibles (exposition unique) : Non classé
Toxicité spécifique pour certains organes cibles (exposition répétée) : Non classé

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Danger par aspiration	: Non classé
Viscosité, cinématique	: Non applicable
Effets néfastes potentiels sur la santé humaine et symptômes possibles	: Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
Symptômes/effets	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptômes/effets après contact avec la peau	: Burns.
Symptômes/effets après contact oculaire	: Serious damage to eyes.
Symptômes/effets après ingestion	: Burns.

SECTION 12: Données écologiques

12.1. Toxicité

Écologie - général : Before neutralisation, the product may represent a danger to aquatic organisms.

Sodium Metasilicate (6834-92-0)	
LC50 - Fish [1]	210 mg/l (Equivalent or similar to OECD 203, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value)
EC50 - Daphnia [1]	1700 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)
Sodium Carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l (Other, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value)
EC50 - Daphnia [1]	200 – 227 mg/l (Other, 48 h, Ceriodaphnia sp., Semi-static system, Fresh water, Experimental value)
Diethylene Glycol Mono-Butyl Ether (112-34-5)	
LC50 - Fish [1]	1300 mg/l (Equivalent or similar to OECD 203, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Daphnia [1]	> 100 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	1101 mg/l (Equivalent or similar to OECD 201, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)

12.2. Persistance et dégradabilité

Cuda 1993 The Original	
Persistence et dégradabilité	Not established.
Sodium Metasilicate (6834-92-0)	
Persistence et dégradabilité	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Demande chimique en oxygène (DCO)	Not applicable
DThO	Not applicable
DBO (% de DThO)	Not applicable
Sodium Carbonate (497-19-8)	
Persistence et dégradabilité	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Demande chimique en oxygène (DCO)	Not applicable (inorganic)

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Sodium Carbonate (497-19-8)

DThO	Not applicable (inorganic)
------	----------------------------

Oxirane, Methyl-, Polymer (9003-11-6)

Persistence et dégradabilité	Not readily biodegradable in water.
------------------------------	-------------------------------------

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Persistence et dégradabilité	Readily biodegradable in water.
------------------------------	---------------------------------

12.3. Potentiel de bioaccumulation

Cuda 1993 The Original

Potentiel de bioaccumulation	Not established.
------------------------------	------------------

Sodium Metasilicate (6834-92-0)

Potentiel de bioaccumulation	Bioaccumulation: not applicable.
------------------------------	----------------------------------

Sodium Carbonate (497-19-8)

Coefficient de partage n-octanol/eau (Log Pow)	-6,19 (Estimated value)
--	-------------------------

Potentiel de bioaccumulation	Not bioaccumulative.
------------------------------	----------------------

Oxirane, Methyl-, Polymer (9003-11-6)

Potentiel de bioaccumulation	Not bioaccumulative.
------------------------------	----------------------

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Coefficient de partage n-octanol/eau (Log Pow)	1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C)
--	---

Potentiel de bioaccumulation	Low potential for bioaccumulation (Log Kow < 4).
------------------------------	--

12.4. Mobilité dans le sol

Sodium Metasilicate (6834-92-0)

Écologie - sol	No (test)data on mobility of the substance available.
----------------	---

Sodium Carbonate (497-19-8)

Écologie - sol	Low potential for adsorption in soil.
----------------	---------------------------------------

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Tension de surface	27 mN/m (25 °C, 0.00212 mol/g)
--------------------	--------------------------------

Écologie - sol	Low potential for adsorption in soil.
----------------	---------------------------------------

12.5. Autres effets néfastes

Autres informations : Éviter le rejet dans l'environnement.

SECTION 13: Données sur l'élimination

13.1. Méthodes d'élimination

Méthodes de traitement des déchets : Éliminer le contenu/récipient conformément aux consignes de tri du collecteur agréé.
Recommandations pour le traitement du produit/emballage : Dispose in a safe manner in accordance with local/national regulations.

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Écologie - déchets : Éviter le rejet dans l'environnement.

SECTION 14: Informations relatives au transport

14.1. Numéro ONU

Le produit n'est pas un produit dangereux selon les règlements applicables au transport

14.2. Nom d'expédition des Nations unies

Désignation officielle pour le transport (DOT) : Non applicable

14.3. Classe(s) de danger pour le transport

DOT

Classe(s) de danger pour le transport (DOT) : Non applicable

14.4. Groupe d'emballage

Groupe d'emballage (DOT) : Non applicable

14.5. Dangers pour l'environnement

Autres informations : Pas d'informations supplémentaires disponibles.

14.6. Précautions particulières à prendre par l'utilisateur

DOT

Aucune donnée disponible

14.7. Transport en vrac conformément à l'annexe II de la convention MARPOL 73/78 et au recueil IBC

Non applicable

SECTION 15: Informations sur la réglementation

15.1. Réglementations fédérales USA

Sodium Metasilicate (6834-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sodium Carbonate (497-19-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Oxirane, Methyl-, Polymer (9003-11-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

Cuda 1993 The Original

Fiche de données de sécurité

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

15.2. Réglementations internationales

CANADA

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Listed on the Canadian DSL (Domestic Substances List)

Réglementations UE

Pas d'informations complémentaires disponibles

Directives nationales

Pas d'informations complémentaires disponibles

15.3. Réglementations des Etats - USA

Pas d'informations complémentaires disponibles

SECTION 16: Autres informations

conforme Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date de révision : 07/01/2020

Sources des données : RÈGLEMENT (CE) No 1272/2008 DU PARLEMENT EUROPÉEN ET DU CONSEIL du 16 décembre 2008 relatif à la classification, à l'étiquetage et à l'emballage des substances et des mélanges, modifiant et abrogeant les directives 67/548/CEE et 1999/45/CE et modifiant le règlement (CE) no 1907/2006.

Autres informations : Aucun(e).

Textes complet des phrases H

Acute Tox. 4 (Inhalation:dust,m ist)	Toxicité aiguë (inhalation:poussière,brouillard) Catégorie 4
Aquatic Acute 3	Dangereux pour le milieu aquatique — Danger aigu, Catégorie 3
Eye Dam. 1	Lésions oculaires graves/irritation oculaire, Catégorie 1
Eye Irrit. 2A	Lésions oculaires graves/irritation oculaire, Catégorie 2A
Skin Corr. 1	Corrosif/irritant pour la peau, Catégorie 1
Skin Irrit. 2	Corrosif/irritant pour la peau, Catégorie 2
H314	Provoque des brûlures de la peau et des lésions oculaires graves
H315	Provoque une irritation cutanée
H318	Provoque des lésions oculaires graves
H319	Provoque une sévère irritation des yeux
H332	Nocif par inhalation
H402	Nocif pour les organismes aquatiques

Fiche de données de sécurité (FDS), USA

Ces informations sont basées sur nos connaissances actuelles et décrivent le produit pour les seuls besoins de la santé, de la sécurité et de l'environnement. Elles ne devraient donc pas être interprétées comme garantissant une quelconque propriété spécifique du produit