

SAFETY DATA SHEET

BLITZ WITH GREASEBREAKER

SECTION 1- PRODUCT IDENTIFICATION


PRODUCT NAME : BLITZ WITH GREASEBREAKER
SYNONYMS : Product is a mixture: No synonyms are available.
PRODUCT USE : Moderately Alkaline Material
SUPPLIER : HYDRAMASTER CORP.
SUPPLIER'S ADDRESS : 1500 Industry St. Suite 300
Everett, WA 98203 (425) 775-7272
EMERGENCY RESPONSE PHONE : PERS: 1-800-633-8253

SECTION 2 – HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS U.S. – CLASSIFICATION : H302 Harmful if swallowed.
: H315 Causes skin irritation
: H319 Causes serious eye irritation

LABEL ELEMENTS : **GHS – US HAZARD PICTOGRAMS** The product is classified and labeled according to the Globally Harmonized System (GHS).

HAZARD PICTOGRAMS : 

SIGNAL WORD : WARNING

HAZARD STATEMENTS (GHS-US) : Not established
: H302 Harmful if swallowed.
: H315 Causes skin irritation.
: H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS (GHS-US) : P101 If medical advice is needed, have product container or label at hand.
: P102 Keep out of reach of children.
: P103 Read label before use.
: P264 Wash skin and contaminated clothing thoroughly after handling.
: P270 Do not eat, drink, or smoke when using this product.
: P280 Wear suitable protective gloves/protective clothing/eye protection/face protection.
: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
: P302+P352 : IF ON SKIN: Wash with plenty of soap and water.
: P305+351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
: P332+P313 If skin irritation occurs: Get medical advice/attention.
: P337+P313 If eye irritation persists: Get medical advice/attention.
: P501 Dispose of contents/container in accordance with local/regional/national/international regulations

OSHA HAZARDS : Target Organ Effect (Glycol Ether DPM)
TARGET ORGANS : Kidney, Liver, Nerves (Glycol Ether DPM).
CLASSIFICATION SYSTEM : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.
NFPA RATINGS (SCALE 0-4) : Health = 2, Fire = 0, Reactivity = 0
HMIS RATINGS (SCALE 0-5) : Health = 2, Fire = 0, Reactivity = 0

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISTIC : Mixtures
DESCRIPTION : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EINECS #	GHS CLASSIFICATION
Dipropylene glycol methyl ether	1-5	34590-94-8	252-104-2	Eye Irrit: Cat 2B
Sodium Carbonate	10-20	497-19-8	207-838-8	Skin Irrit. Cat 2, Eye Irrit. Cat 2A
Sodium Metasilicate	4.5	6834-92-0	229-912-9	Skin Corr: Cat 1B, Eye Dam: Cat 1 Metal Corr: Cat 1, STOT SE: Cat 3
Propylene Glycol Butyl Ether	1-5	5131-66-8 & 18821-83-7	225-878-4	Skin Irrit. Cat 2, Eye Irrit. Cat 2A --
Ethylenediamine Tetraacetate Na salt	1-5	64-02-8	200-573-9	Skin Irrit Cat 2, Eye Dam Cat 2A
Sodium Dodecylbenzene Sulfonate	0.1-1	25155-30-0	246-680-4	Skin Irrit Cat 4, Eye Dam Cat 2 Acute Tox Cat 4, STOT SE Cat 3
Alcohol Ethoxylate	1-5	68439-46-3	Not Found	Eye Irrit Cat 2B
D-Limonene (Citrus Terpenes)	1-5	5989-27-5	227-813-5	Flam Liq Cat 3, Acute Tox Oral Cat 5, Skin Irrit Cat 2, Eye Irrit Cat 2A, Skin Sens Cat 1, Acute Tox Aquatic Cat1
Sodium Sulfate	5-10	7757-82-6	231-820-9	Skin Irrit. Cat 3, Eye Corr Cat 2B

Irrit. = Irritation, Corr. = Corrosion, Cat. = Category, Dam = Damage, Tox = Toxic, STOT SE = Single Target Organ Toxicity
 Single exposure.

SECTION 4 – FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible.

EYE CONTACT : Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Get immediate medical attention.

SKIN CONTACT : Remove contaminated clothing and shoes. Wash affected skin area with soap and water. Delayed skin damage is possible if product is not completely washed off. Get immediate medical attention.

SWALLOWING (INGESTION) : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION : Remove to fresh air. Get immediate medical attention.

OTHER INSTRUCTIONS : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively.

SECTION 5 – FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA : Dry chemical, foam, water, or carbon dioxide.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS : In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area.

UNUSUAL FIRE AND EXPLOSION HAZARDS : No further relevant information is available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

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- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES** : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.
- ENVIRONMENTAL PROCEDURES** : Keep spilled material away from sewage/drainage systems and waterways.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP** : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate absorbent material such as clay or vermiculite. Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

SECTION 7 – HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING** : Use with adequate ventilation. Wear proper protective equipment. Do not mix with water or acids without proper dilution and agitation to prevent a potentially violent reaction.
- CONDITIONS FOR SAFE STORAGE** : Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.



SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

TLV (THRESHOLD LIMIT VALUE) : The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Dipropylene glycol methyl ether	100 ppm, 600mg/m ³	100 ppm	150 ppm
Sodium Carbonate	Not Established	Not Established	Not Established
Sodium Metasilicate	15min. Recommended: 2mg/m ³	Not Established	Not Established
Propylene Glycol Butyl Ether	Not Established	Not Established	Not Established
Ethylenediamine Tetraacetate (EDTA)	Not Established	Not Established	Not Established
Sodium Dodecylbenzene Sulfonate	Not Established	Not Established	Not Established
Alcohol Ethoxylate	Not Established	Not Established	Not Established
D-limonene	Not Established	Not Established	Not Established
Sodium Sulfate	Not Established	Not Established	Not Established

- EYE PROTECTION** : Wear chemical splash goggles or face shield.
- SKIN PROTECTION** : Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.
- RESPIRATORY PROTECTION** : In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
- VENTILATION** : Ensure adequate ventilation.
- ADDITIONAL MEASURES** : Emergency eyewash and safety shower facilities should be available in the immediate work area.
- REQUIRED WORK/HYGIENE** : Wash hands thoroughly after handling. Keep away from all food stuffs, beverages, and feed. Do not eat, drink or smoke in work area.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Free flowing powde.
ODOR	: Mild odor
ODOR THRESHOLD	: Not available
PH	: 11.2 (1% SOLUTION)
MELTING POINT/FREEZING POINT	: Not available
BOILING POINT	: NOT EST.
FLASH POINT	: > 200° F.
EVAPORATION RATE	: Not available
FLAMMABILITY	: Nonflammable-Noncombustible
LOWER FLAMMABILITY LIMIT	: Not available
UPPER FLAMMABILITY LIMIT	: Not available
VAPOR PRESSURE	: Not available
VAPOR DENSITY (AIR=1)	: Not available
RELATIVE DESNITY	: > 1
SOLUBILITY IN WATER	: Soluble in water
PARTITION COEFFICIENT n-OCTANOL/WATER	: Not available
AUTOIGNITION TEMPERATURE	: Not available
DECOMPOSITION TEMPERATURE	: Not available

SECTION 10 – STABILITY AND REACTIVITY

STABILITY	: Stable under recommended storage conditions.
HAZARDOUS CONDITONS TO AVOID	: No decomposition if used according to specifications
INCOMPATIBLE MATERIALS	: Keep away from strong acids.
HAZARDOUS DECOMPOSITION PRODUCTS	: No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION	: Dipropylene Glycol Methyl Ether
ACUTE TOXICITY	: LD50 values: Oral LD50: 5152 mg/kg (rat). LC50 dermal and inhalation: Not listed. Eyes: Rabbit: Mild Irritation: 25 hours.
CARCINOGENICITY	: No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.
TOXICOLOGICAL INFORMATION	: Sodium Carbonate
ACUTE TOXICITY	: Not Classified. LD50 values: Oral LD50: 4090mg/kg (rat).
SKIN CORROSION/IRRITATION	: Causes skin irritation.
SERIOUS EYE DAMAGE/IRRITATION	: Causes serious eye irritation.
TOXICOLOGICAL INFORMATION	: Sodium Metasilicate
INHALATION	: Dust is severely irritant to the respiratory tract. All symptoms of acute toxicity are due to high alkalinity. Inhalation LC50 (rat) > 2.06 g/m ³ .
SKIN CONTACT	: Material will cause chemical burns. Dermal LD50 (rat) > 5000 mg/kg.
EYE CONTACT	: Material will cause chemical burns. May cause permanent damage if eye is not immediately irrigated.

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INGESTION	: Material will cause chemical burns. All symptoms of acute toxicity are due to high alkalinity. Oral LD50 (rat) 1152-1349 mg/kg.
SKIN CORROSION/IRRITATION	: Corrosive to skin.
SERIOUS EYE	: Corrosive to eyes.
DAMAGE/IRRITATION	
SENSITISATION	: Not sensitizing. (LLNA)
CARCINOGENICITY	: No structural alerts.
MUTAGENICITY	: No evidence of genotoxicity. In vitro/in vivo negative.
REPRODUCTIVE TOXICITY	: No evidence of reproductive toxicity or developmental toxicity.
STOT – SINGLE EXPOSURE	: Irritating to respiratory system.
STOT – REPEATED EXPOSURE	: Not classified. NOAEL oral (rat) 227 mg/kg.
ASPIRATION HAZARD	: Not applicable.
TOXICOLOGICAL INFORMATION	: Propylene Glycol Butyl Ether
ACUTE TOXICITY	: LD 50 Rat: 2,200 mg/kg
ACUTE INHALATION TOXICITY	: No data available
ACUTE DERMAL TOXICITY	: LD 50 Rabbit: 3,100 mg/kg
TOXICOLOGICAL INFORMATION	: Ethylenediamine Tetraacetate
ACUTE TOXICITY	: LD50 Oral (rat): 630 - 1,260 mg/kg,
INHALATION LC50	: No data available
DERMAL LD50	: No data available
OTHER INFORMATION ON ACUTE TOXICITY	: No data available
TOXICOLOGICAL INFORMATION	: Sodium Dodecylbenzene Sulfonate
ACUTE TOXICITY	: LD50 Oral rat: 438 mg/kg.
INHALATION TOXICITY	: No data available
DERMAL TOXICITY	: No data available
SKIN CORROSION/IRRITATION	: Skin – rabbit Result: Skin irritation - 24 h
SERIOUS EYE	: Eyes – rabbit Result: Severe eye irritation - 24 h
DAMAGE/IRRITATION	
RESPIRATORY/SKIN	: No data available
SENSITISATION	
GERM CELL MUTAGENICITY	: No data available
CARCINOGENICITY	: No components of this product present at levels greater than or equal to 0.1% are identified as probable, possible, or confirmed human carcinogen by IARC ACGIH, NTP or OSHA.
TOXICOLOGICAL INFORMATION	: Ethoxylated Alcohol
ACUTE TOXICITY	: LD50 Oral (rat): 1,378 mg/kg,
INHALATION LC50	: No data available.
DERMAL LD50	: LD50 Dermal (rat): > 5,000 mg/kg.
PRIMARY SKIN IRRITATION	: (Rabbit) Moderate to severely irritating.
PRIMARY EYE IRRITATION	: (Rabbit) Severely irritating.
TOXICOLOGICAL INFORMATION	: D-Limonene (Citrus Terpenes)
ACUTE TOXICITY	: LD50 Oral (rat): >5000 mg/kg. LD50 Dermal (rabbit): >5,000 mg/kg, RD50 Inhalation (mice): > 1,000 mg/kg.
IRRITATION	: Prolonged or repeated exposure can cause drying or dermatitis of skin.
BIOACCUMULATION	: No appreciable bio-concentration is expected in the environment.
CARCINOGENICITY	: This product is not classified as a carcinogen by OSHA, IARC, ACGIH or NTP.
TOXICOLOGICAL INFORMATION	: Sodium Sulfate
ACUTE TOXICITY	: INGESTION: Oral LD50 (mouse) is reported to be 5,989 mg/kg.

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IRRITATION : No data available.
BIOACCUMULATION : No data available.
CARCINOGENICITY : Not listed as a carcinogen by the Environmental Protection Agency (EPA)

SECTION 12 – ECOLOGICAL INFORMATION
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ECOLOGICAL INFORMATION : **Dipropylene Glycol Methyl Ether**

ECOTOXICITY (aquatic and terrestrial, where available):

ACUTE FISH TOXICITY : LC50 / 96 hours Fathead Minnow - >10,000 mg/L

TOXICITY TO DAPHNIA : EC50 / 48 hours Water flea - 1,919 mg/L

PERSISTENCE AND DEGRADABILITY : No data available.

BIOACCUMULATIVE POTENTIAL : No data available.

ECOLOGICAL INFORMATION : **Sodium Tripolyphosphate**

ECOTOXICITY : Invertebrate: 48-hr LC50 Daphnia magna: > 1000 mg/L; Practically Nontoxic 96 hr. LC 50 > 100 mg/L, non-toxic (Rainbow trout, Inland silversides, and mysid shrimp). [FMC 189-1081, 1082 & 1083] 48 hr. LC 50 > 100 mg/L, non-toxic (Daphnia magna) [FMC 189-1084]

PERSISTENCE and DEGRADABILITY : No data available.

ENVIRONMENTAL FATE : Phosphates: Inorganic phosphates, including this product, at high concentrations in the environment have the potential to cause eutrophication in aquatic systems. This condition is characterized by excessive algal growth, and subsequent decreases in oxygen levels. In general, proper use and disposal of this product should pose no adverse ecological risk.

ECOLOGICAL INFORMATION : **Sodium Metasilicate**

TOXICITY : Fish (Brachy danio rerio) LC50 (96 hour) 210 mg/l. Aquatic invertebrates: (Daphnia magna) EC50 (48 hour) 1700 mg/l.

BIODEGRADATION : This material is inorganic and not subject to biodegradation.

PERSISTENCE AND DEGRADABILITY : Inorganic. Soluble silicates, upon dilution, rapidly depolymerize into molecular species indistinguishable from natural dissolved silica.

BIOACCUMULATIVE POTENTIAL : Inorganic. The substance has no potential for bioaccumulation.

MOBILITY IN SOIL : Not applicable.

RESULTS OF PBT AND vPvB : Not classified as PBT or vPvB.

OTHER ADVERSE EFFECTS : The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH.

ECOLOGICAL INFORMATION : **Propylene Glycol Butyl Ether**

ECOTOXICITY: TOXICITY TO FISH : No data available

TOXICITY TO DAPHNIA : No data available

TOXICITY TO ALGAE : No data available

TOXICITY TO BACTERIA : No data available

ECOLOGICAL INFORMATION : **Ethylenediamine Tetraacetate**

ECOTOXICITY : No data available.

PERSISTENCE AND DEGRADABILITY : No data available.

BIOACCUMULATIVE POTENTIAL : No data available.

ECOLOGICAL INFORMATION : **Sodium Dodecylbenzene Sulfonate**

TOXICITY TO FISH : Mortality NOEC - Oncorhynchus kisutch - 3.1 mg/l - 3 d
Mortality LOEC - Oncorhynchus kisutch - 5.6 mg/l - 3 d

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LC50 - Oncorhynchus mykiss (rainbow trout) - 3.2 - 5.6 mg/l - 96 h

ECOLOGICAL INFORMATION ECOTOXICITY : **Ethoxylated Alcohol**
: LC50 Rainbow Trout: 1-10 mg/l, 96hr. Value estimated from tests on similar products.
LC50 Fathead Minow: 6 mg/l, 96hr. Value estimated from tests on similar products.

BIODEGRADABILITY : Readily biodegradable.

PERSISTENCE AND DEGRADABILITY : No data available.

BIOACCUMULATIVE POTENTIAL : No data available.

ECOLOGICAL INFORMATION ECOTOXICITY : **D-Limonene (Citrus Terpenes)**
: There is no information available at this time for this product. However, a spill may produce significant toxicity to aquatic organisms and ecosystems. Some studies have shown that certain bacteria and fungi have the ability to degrade citrus terpenes, decreasing their toxicity to fish. When spilled, this product may act as an oil, causing a film, sheen, emulsion or sludge at or beneath the surface of a body of water

MOBILITY : Citrus Terpenes volatilize rapidly.

PERSISTENCE AND DEGRADABILITY : Readily biodegradable.

BIOACCUMULATIVE POTENTIAL : Bio-concentration is not expected to occur.

ECOLOGICAL INFORMATION ECOTOXICITY : **Sodium Sulfate**
: FISH TOXICITY: TLm Bluegill - 12,750 ppm/96 hr.; LC50 Mosquito fish - 17,500 mg/l/48 hr. In turbid water, LC50 Fathead minnow - 13,500 to 14,000 mg/l/24 to 96 hr. in soft water; LC50 opossum shrimp - 11,300 ppm/48 hr.; LC50 sheepshead minnows - >18,000 ppm/48 hr.

INVERTEBRATE TOXICITY : LC50 Daphnia Magna - 4547 mg/l/96 hr.; LC50 Caddis fly - 320 mg/l/960 hr. in soft water.

PERSISTENCE AND DEGRADABILITY : No data available.

BIOACCUMULATIVE POTENTIAL : No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL : This product must be disposed of in accordance with Federal, state and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.

SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER SHIPPING NAME : Not Hazardous

HAZARD CLASS AND LABEL : Not Applicable.

UN NUMBER : Not Applicable.

PACKAGING GROUP : Not Applicable.

EPA REPORTABLE QUANTITY (RQ) : Not Applicable.

MARINE POLLUTANT : Not listed.

EMERGENCY RESPONSE GUIDE : Not Applicable.

SECTION 15 – REGULATORY INFORMATION

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U.N. GHS CLASSIFICATION & LABELING INFORMATION: See Section 2 for GHS Hazard Information

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN : Not listed.
TSCA STATUS : The ingredients of this product are listed in TSCA inventory (40CFR 710.)
SARA SECTION 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA SECTION 312 : Chronic health hazard (Glycol Ether DPM).
SARA SECTION 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
NFPA HEALTH : 2
NFPA FLAMMABILITY : 0
NFPA REACTIVITY : 0

EUROPEAN UNION REGULATORY INFORMATION:

EC CLASSIFICATION : Non-Hazardous
DSD/DPD RISK (R) PHRASES : R22: Harmful if swallowed.
R36/38: Irritating to eyes and skin.
DSD/DPD SAFETY (S) PHRASES : S1/2: Keep locked up and out of reach of children.
S24/25: Avoid contact with eyes and skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/S37/39: Wear suitable protective clothing, gloves and eye/face protection.
S45: In case of accidents or if you feel unwell, seek medical advice immediately. Show label where possible.
S61: Avoid release to the environment.
S62: If swallowed, do not induce vomiting.
S64: If swallowed, rinse mouth with water if victim is conscious.
DSD/DPD HAZARD SYMBOL : Xi: Irritant



CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY : D2B: Materials that cause other toxic effects (TOXIC).
DOMESTIC SUBSTANCES LIST (DSL) : Listed
INGREDIENT DISCLOSURE LIST : Listed



SECTION 16 – OTHER INFORMATION

DISCLAIMER : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Hydramasster Corp. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act.
EINECS : European Inventory of Existing Commercial Chemical Substances
IMDG : International Maritime Code for Dangerous Goods
IARC : International Agency for Research on Cancer

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IATA	: International Air Transportation Association
ACGIH	: American Conference of Governmental Industrial Hygienists
NFPA	: National Fire Protection Association (USA)
NTP	: National Toxicology Program
SARA	: Superfund Amendments and Reauthorization Act
TSCA	: Toxic Substances Control Act
HMIS	: Hazardous Materials Identification System (USA)
WHMIS	: Workplace Hazardous Materials Information System
LC50	: Lethal concentration, 50 percent
LD50	: Lethal dose, 50 percent
STOT	: Systemic Target Organ Toxicity
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