HARBOR FREIGHT TOOLS

Quality Teols at Ridicalously Low Prices

# **SAFETY DATA SHEET**

Page 1 of 7 **HFT-60786** 

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 1.1

SDS Revision Date: 12/24/2015

| 1 | PRODUCT | & COMPANY   | <b>IDENTIFICATION</b> |
|---|---------|-------------|-----------------------|
|   | PRUMMAL | Y CONTRAINT |                       |

|     | I. I RODOCI & COMI ANTIDENTII IOATION |  |  |  |  |
|-----|---------------------------------------|--|--|--|--|
| 1.1 | Product Name:                         | IRON ARMOR® BLACK PROFESSIONAL UNDERCOATING SPRAY PAINT      |  |  |  |
| 1.2 | Chemical Name:                        | NA NA  |  |  |  |
| 1.3 | Synonyms:                             | P/N 60786  |  |  |  |
| 1.4 | Trade Names:                          | Iron Armor® Black Professional Undercoating Spray Paint      |  |  |  |
| 1.5 | Product Uses & Restrictions:          | Aerosol Undercoat  |  |  |  |
| 1.6 | Distributor's Name:                   | Harbor Freight Tools USA, Inc.                               |  |  |  |
| 1.7 | Distributor's Address:                | 26541 Agoura Road, Calabasas, CA 91302 USA                   |  |  |  |
| 1.8 | Emergency Phone:                      | CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 676687) |  |  |  |
| 1.9 | Business Phone / Fax:                 | +1 (805) 388-1000  |  |  |  |

## 2. HAZARDS IDENTIFICATION

2.1 Hazard Identification:

This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia).

DANGER! EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY BURST IF HEATED. MAY BE HARMFUL IF SWALLOWED AND ENTERS AIRWAYS. CAUSES SKIN IRRITATION.

Classification: Aerosol 1; Acute Tox. 4; Asp. Tox. 1; Skin Irrit. 2.

<u>Hazard Statements</u> (H): H222 – Extremely flammable aerosol. H229 – Pressurized container may burst if heated. H304 – May be fatal if swallowed and enters airways. H315 – Causes skin irritation. H319 – Causes serious eye irritation.

Precautionary Statements (P): P210 – Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. P211 – Do not spray on an open flame or other ignition source. P251 – Do not pierce or burn, even after use. P410+P412 – Protect from sunlight. Do not expose to temperatures exceeding 50 °F (122 °F). P264 – Wash thoroughly with soap and water after handling. P270 – Do not eat, drink or smoke when using this product. P301+P312 – IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P330 – Rinse mouth. P501 – Dispose of contents/container to licenses treatment, storage and disposal facility (TSDF). P280 – Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 – IF ON SKIN: Wash with plenty of soap and water. P321 – Specific treatment – See Section 4 of this Safety Data Sheet. P332+P313 – If skin irritation occurs: Get medical advice/attention. P362+P364 – Take off contaminated clothing and wash it before reuse. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 – If eye irritation persists: get medical advice/attention.



## 3. COMPOSITION & INGREDIENT INFORMATION

|                                  |   |                   |                 |             |        |         |       | EXPO  | SURE L   | IMITS IN | I AIR (m | g/m³)   |                 |
|----------------------------------|---|-------------------|-----------------|-------------|--------|---------|-------|-------|----------|----------|----------|---------|-----------------|
|                                  |   |                   |                 |             | AC     | GIH     |       | NOHSC |          |          | OSHA     |         |                 |
|                                  |   |                   |                 |             | pp     | m       |       | ppm   |          |          | ppm      |         |                 |
|                                  |   |                   |                 |             |        |         | ES-   | ES-   | ES-      |          |          |         |                 |
| CHEMICAL NAME(S)                 | CAS No.   | RTECS No.         | EINECS No.      | %           | TLV    | STEL    | TWA   | STEL  | PEAK     | PEL      | STEL     | IDLH    | OTHER           |
| TOLLIENE                         | 108-88-3  | XS52500000        | 203-625-9       | 10-30       | 50     | 300     | 100   | 150   | 574      | 200      | 300      | 500     | SKIN            |
| TOLUENE                          | Flam. Liq. 2; R                                   | epr. 2; Asp. Tox. | 1; STOT RE 2 *; | Skin Irrit. | 2; STO | T SE 3; | H225, | H361d | ***, H30 | )4, H37  | 3 **, H3 | 315, H3 | 36              |
| ODORLESS MINERAL SPIRITS         | 64741-65-7 *                                      | NA                | 265-067-2       | 7-13        | 100    | NA      | NF    | NF    | NF       | 100      | NA       | NA      | (350) TWA NIOSH |
| ODORLESS WIINERAL SPIRITS        | Asp. Tox. 1; Muta. 1B; Carc. 1B; H304, H340, H350 |                   |                 |             |        |         |       |       |          |          |          |         |                 |
| CALCULA CARRONATE                | 471-34-1  | FF9335000         | 207-439-9       | 5-15        | 10     | 5       | NF    | NF    | NF       | 10       | 5        | NA      | RESP DUST       |
| CALCIUM CARBONATE                |   |                   |                 |             |        |         |       |       |          |          |          |         |                 |
| ACDUALT (DETDOLEUM)              | 8052-42-4   | CI9900000         | 232-490-9       | 5-15        | 0.5    | NA      | NF    | NF    | NF       | 0.5      | NA       | NA      | FUME            |
| ASPHALT (PETROLEUM)              |   |                   |                 |             |        |         |       |       |          |          |          |         |                 |
| PROPANE                          | 74-98-6   | TX2275000         | 200-827-9       | 5-15        | 1000   | NA      | 1000  | NF    | NF       | 1000     | NA       | 2100    |                 |
| PROPANE                          | Flam. Gas 1; Press. Gas; H220                     |                   |                 |             |        |         |       |       |          |          |          |         |                 |
| BUTANE                           | 106-97-8  | EJ4200000         | 203-448-7       | 5-15        | 1000   | 900     | 800   | 1900  | NF       | NA       | NA       | 1900    |                 |
| DUTAINE                          | Press. Gas; Fla                                   | m. Gas 1; H220    |                 | •           |        |         |       | -     | -        |          | -        |         |                 |
| * contains ≤ 3.0% DMSO (DIMETHYL | SULFOXIDE)  | •                 |                 |             | •      | •       |       | •     | •        | •        | •        |         |                 |

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 12/24/2015 4. FIRST AID MEASURES 4 1 First Aid: If ingested, do not induce vomiting. Contact the nearest Poison Control Center or local emergency Ingestion: number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water Eves: for at least 15 minutes lifting upper and lower lids, occasionally. Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at Skin: least 15 minutes. Inhalation: Remove victim to fresh air at once. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Keep person warm, quiet and get medical attention. 42 Effects of Exposure: If product is swallowed, may cause gastrointestinal disturbance. Ingestion: Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, Eyes: irritation and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. Inhalation: Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. Drowsiness, dizziness, headaches and nausea. 4.3 Symptoms of Overexposure: If product is swallowed, may cause gastrointestinal disturbance. Ingestion: Eyes: Exposure to dust may cause eye irritation. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in Skin: some sensitive individuals. Coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, Inhalation: nose and respiratory tract. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. 4.4 Acute Health Effects: Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of dust can cause coughing, wheezing, shortness of breath, impaired pulmonary function. Irritation or soreness in throat, nose and respiratory tract. Chronic Health Effects: 4.5 Non-irritating when used as directed. Possible allergic dermatitis in some sensitive individuals 4.6 Target Organs: Eyes, Skin, Respiratory System, Central Nervous System (CNS) Medical Conditions Pre-existing dermatitis, other skin conditions, and disorders of the **HEALTH** 2 Aggravated by Exposure: target organs (eyes, skin) or impaired kidney function may be more **FLAMMABILITY** 3 susceptible to the effects of this substance. PHYSICAL HAZARDS 0 X PROTECTIVE EQUIPMENT EYES SKIN LUNGS 5. FIREFIGHTING MEASURES Fire & Explosion Hazards: Level 3 Aerosol (NFPA 30B). Aerosols may burst at temperatures above 120 °F. Cool uninvolved containers to prevent possible bursting. Aerosols may be projectile hazards when bursting. If aerosols are bursting, stay clear until bursting is complete. Do not use in presence of open flames or sparks. Do not place in hot water or near radiators, stoves or other sources of heat. Exposure to heat or sunlight may cause cans to burst and propel contents. Water from fog nozzles may be helpful in cooling un-ruptured containers to prevent build-up. Extinguishing Methods: Water Fog, Foam, Dry Chemical, CO<sub>2</sub> 5.2 Firefighting Procedures: As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full

bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies.

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|   |   | 6. ACCIDEN  | TAL  | RELI   | EASE   | MEASU   | JRES   |   |  |   |  |
|---|---|---|--|--|--|---|--|---|--|---|--|
| 6.1   | Spills:   | Before cleaning any spill or le   |  |  |  |   |  | ıst wea   | r appro  | priate F  | Personal Protective                              |
|   |   | Equipment.  |  |  |  |   |  |   |  |   |  |
|   |   | For small spills (e.g., < 1 gall  |  |  |  |   |  |   |  |   |  |
|   |   | Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material will absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance will local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water as   |  |  |  |   |  |   |  |   |  |
|   |   |   |  |  |  |   |  |   |  |   |  |
|   |   | soap. Remove any contaminate  |  |  |  |   |  | coman   |  | pionity   | or warm water and                                |
|   |   | For <u>large spills</u> (e.g., ≥ 1 gallor   |  | -  |  |   |  | viduals.  | Dike   | and cor   | ntain spill with ine                             |
|   |   | material (e.g., sand or earth). U   |  |  |  |   |  |   |  |   |  |
|   |   | recovery or disposal and solid di   |  |  |  |   |  |   |  |   |  |
|   |   | promptly and wash affected skir sewers and open bodies of water   |  | with so  | ap and wa  | ater. Keep  | spills and   | d cleani  | ng runc  | offs out  | of drains, municipa                              |
|   |   | Sewers and open bodies of water   |  |  |  |   |  |   |  |   |  |
|   | I   | 7. HANDLING   |  |  |  |   |  |   |  |   |  |
| 7.1   | Work & Hygiene Practices:   | Do not eat, drink or smoke wher residues with soap and warm wa  |  |  |  |   |  |   |  |   |  |
| 7.2   | Storage & Handling:   | Use and store in a cool, dry, w   |  |  |  |   |  |   |  |   |  |
|   |   | sunlight. Avoid temperatures about  |  |  |  |   |  |   |  |   |  |
|   |   | damage. Avoid breathing vapor.  |  |  |  |   |  |   |  |   |  |
| 7.3   | Special Precautions:  | Clean all spills promptly. Spilled  | materia  | I may p  | resent a s   | lipping haz   | ard.   |   |  |   |  |
|   |   | 0 EVENCUE CON   | rnoi   | <b>C</b> 0   | DEDC   | 381A1 F   | DOTE   | CTIC  | \NI  |   |  |
| 8.1   | Exposure Limits:  | 8. EXPOSURE CON   | AC   |  | PERS   | NOHSC   | KUIE   |   | OSHA   |   | OTHER  |
|   | ppm (mg/m³)   |   |  |  |  |   | ES-  |   |  |   | •  |
|   |   | CHEMICAL NAME(S)  | TLV  | STEL   | ES-TWA   | ES-STEL   | PEAK   | PEL   | STEL   | IDLH  | ELINAE.  |
|   |   | ASPHALT (PETROLEUM)   | 0.5  | NA   | NF   | NF  | NF   | 0.5   | NA   | NA  | FUME   |
|   |   | CALCIUM CARBONATE PROPANE   | 10<br>1000   | 5<br>NA  | NF<br>1000   | NF<br>NF  | NF<br>NF   | 10<br>1000  | 5<br>NA  | NA<br>2100  | RESP DUST  |
|   |   | BUTANE  | 1000   | 900  | 800  | 1900  | NF   | NA  | NA   | 1900  |  |
|   |   | ODORLESS MINERAL SPIRITS  | 100  | NA   | NF   | NF  | NF   | 100   | NA   | NA  | (350) TWA NIOSH                                  |
|   |   | METHANOL  |  |  |  |   |  |   |  |   |  |
|   |   | METHANOL  | 200  | 250  | 262  | 250   | 328  | 200   | 260  | 6000  |  |
|   |   | ETHYLBENZENE  | 100  | 250<br>150   | 262<br>100   | 250<br>434  | 328<br>543   | 200<br>100  | 260<br>150   | 6000<br>800   |  |
|   |   |   |  |  |  |   |  | 1   |  | 1   |  |
| 8.2   | Ventilation & Engineering Controls:   | ETHYLBENZENE  | 100<br>(2)<br>ntilation  | 150<br>NA<br>to effec  | 100<br>NF<br>ctively rem   | 434<br>NF<br>nove and p   | 543<br>NF<br>prevent bu  | 100<br>(5)<br>ildup of  | 150<br>NA<br>vapors  | 800<br>NA<br>or mist  |  |
|   |   | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur  | 100<br>(2)<br>ntilation<br>re appro  | to effect<br>opriate of<br>equired   | 100 NF ctively rem decontami under ty  | NF nove and p nation equ pical circu per U.S.   | 543<br>NF<br>prevent busipment is<br>mstances<br>OSHA's  | 100<br>(5)<br>ildup of<br>availab<br>of use<br>require                          | 150<br>NA<br>vapors<br>le (e.g.  | 800<br>NA<br>or mist<br>, sink, s<br>andling.   | If FR  |
| 8.3   | Controls:   | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protectinecessary, use only respirator §1910.134, or applicable U.S. s'   | ntilation e apprountilation is record in the region is record in the region is affected. Could be approunded in the region is a feet of the region is a feet of the region in the region in the region is a feet of the region in the region in the region is a feet of the region in the  | to effectoriate of the control of th | tively rem<br>decontami<br>under ty<br>authorized<br>, or the ap<br>with side-s<br>g spills on<br>nses pose<br>vater avail   | 434 NF nove and p nation equ pical circu per U.S. porropriate shield) at a r leaks. V a special able. Use   | orevent busipment is mstances OSHA's standards II times will wazard; so equipment  | ildup of availab of use require of Cana   | vapors le (e.g. e or ha ment in ada, its dling the dor faces may be protected)   | or mist, sink, sindling. n 29 C province shield absorb a                              | If FR es, lict.                                  |
| 8.3   | Controls:  Respiratory Protection:  | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protection necessary, use only respirator §1910.134, or applicable U.S. stellow member states, or Australia.  Wear protective eyewear (e.g., standard value) Always use protective eyewear splashing or spraying is anticipat concentrate irritants. Have suita   | ntilation re appro-  | to effect opriate of the control of  | under ty uthorized a, or the apwith side-s g spills on sees pose vater avail andards su materials necessary  | 434 NF nove and p nation equ pical circu per U.S. opropriate shield) at a r leaks. V a a special able. Use uch as NIO such as II , refer to U                                     | orevent businement is orevent businement of the bu | of use require of Canal tense at for eye or EN 16 or heave                      | vapors le (e.g. e or ha ment in ada, its ddling the dd/or face s may be protected for the fermion of the fermio | or mist, sink, sindling. n 29 C provincialis produce shield absorb action tes         | If FR es, lict. d if and ted                     |
| 3.4   | Controls:  Respiratory Protection:  Eye Protection:   | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protection necessary, use only respirator §1910.134, or applicable U.S. s EU member states, or Australia.  Wear protective eyewear (e.g., s Always use protective eyewear splashing or spraying is anticipat concentrate irritants. Have suita and approved under appropriate Use gloves constructed of che frequent or prolonged contact is  | ntilation re appro- on is re y protestate regular regu | to effect opriate of the control of  | under ty uthorized or the approximate of the approx | ashield) at a r leaks. Vera special able. Use such as NIO such as in refer to Use.  | orevent busipment is unstances OSHA's standards ll times will wazard; so equipment SH (US) o SH/mpervious t. Protectir   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted or if the og., lade |
| 3.3   | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:   | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protection necessary, use only respirator §1910.134, or applicable U.S. since EU member states, or Australia.  Wear protective eyewear (e.g., shawys use protective eyewear splashing or spraying is anticipate concentrate irritants. Have suita and approved under appropriate. Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada Avoid prolonged and/or repeatine propersion or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member states.  | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on mses pose water avail andards su materials necessary mber state t. Use cle onditions a I protection A.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r refer to Use. ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, luct. d if and ted r if the            |
| 3.4   | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:   | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protectin necessary, use only respirator §1910.134, or applicable U.S. s EU member states, or Australia.  Wear protective eyewear (e.g., s Always use protective eyewear splashing or spraying is anticipar concentrate irritants. Have suita and approved under appropriate  Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada Avoid prolonged and/or repeat neoprene or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member state   | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on mses pose water avail andards su materials necessary mber state t. Use cle onditions a I protection A.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r refer to Use. ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted or if the og., lade |
| 3.4   | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:  Body Protection:   | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protectin necessary, use only respirator §1910.134, or applicable U.S. s EU member states, or Australia.  Wear protective eyewear (e.g., s Always use protective eyewear splashing or spraying is anticipar concentrate irritants. Have suita and approved under appropriate Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada Avoid prolonged and/or repeat neoprene or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member state  9. PHYSICAL   | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on mses pose water avail andards su materials necessary mber state t. Use cle onditions a I protection A.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r refer to Use. ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted or if the og., lade |
|   | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:  Body Protection:   | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protectin necessary, use only respirator §1910.134, or applicable U.S. s EU member states, or Australia.  Wear protective eyewear (e.g., s Always use protective eyewear splashing or spraying is anticipar concentrate irritants. Have suita and approved under appropriate Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada Avoid prolonged and/or repeat neoprene or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member state  9. PHYSICAL  Aerosolized mist Solvent like  | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on mses pose water avail andards su materials necessary mber state t. Use cle onditions a I protection A.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r, refer to Use ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted or if the og., lade |
|   | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:  Body Protection:  Appearance: Odor:  | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protectine necessary, use only respirator §1910.134, or applicable U.S. steumember states, or Australia.  Wear protective eyewear (e.g., steumember states, or Australia.  Wear protective eyewear splashing or spraying is anticipar concentrate irritants. Have suita and approved under appropriate  Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada Avoid prolonged and/or repeatine oprene or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member state  9. PHYSICAL  Aerosolized mist Solvent like                              | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on mses pose water avail andards su materials necessary mber state t. Use cle onditions a I protection A.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r, refer to Use ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted or if the og., lade |
| 3.3<br>3.4<br>3.5<br>3.6<br>3.6<br>3.6<br>3.6 | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:  Body Protection:  Appearance: Odor: Odor Threshold:  | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protectine necessary, use only respirator §1910.134, or applicable U.S. steu member states, or Australia.  Wear protective eyewear (e.g., steu Always use protective eyewear splashing or spraying is anticipar concentrate irritants. Have suita and approved under appropriate.  Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada Avoid prolonged and/or repeatine oprene or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member state.  9. PHYSICAL  Aerosolized mist Solvent like NA NA  | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on mses pose water avail andards su materials necessary mber state t. Use cle onditions a I protection A.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r, refer to Use ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted or if the og., lade |
| 3.3<br>3.4<br>3.5<br>3.6<br>3.6               | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:  Body Protection:  Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling        | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protection necessary, use only respirator §1910.134, or applicable U.S. since EU member states, or Australia.  Wear protective eyewear (e.g., shawys use protective eyewear splashing or spraying is anticipate concentrate irritants. Have suita and approved under appropriate.  Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada. Avoid prolonged and/or repeatine oprene or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member state.  9. PHYSICAL  Aerosolized mist Solvent like NA NA   | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on materials materials necessary mber state t. Use cle onditions a I protection IA.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r, refer to Use ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted or if the og., lade |
|   | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:  Body Protection:  Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling Range: | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protection necessary, use only respirator §1910.134, or applicable U.S. s EU member states, or Australia.  Wear protective eyewear (e.g., shawys use protective eyewear splashing or spraying is anticipate concentrate irritants. Have suitate and approved under appropriate.  Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada.  Avoid prolonged and/or repeatine neoprene or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member state.  9. PHYSICAL  Aerosolized mist Solvent like NA NA NA NA NA - 18 °C - 21 °C (0 °F - 395 °F) | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on materials materials necessary mber state t. Use cle onditions a I protection IA.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r, refer to Use ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted of the lack.        |
| 3.3   | Controls:  Respiratory Protection:  Eye Protection:  Hand Protection:  Body Protection:  Appearance: Odor: Odor Threshold: pH: Melting Point/Freezing Point: Initial Boiling Point/Boiling        | ETHYLBENZENE KAOLIN  Use local or general exhaust ve handling of this product. Ensur wash station).  No special respiratory protection necessary, use only respirator §1910.134, or applicable U.S. since EU member states, or Australia.  Wear protective eyewear (e.g., shawys use protective eyewear splashing or spraying is anticipate concentrate irritants. Have suita and approved under appropriate.  Use gloves constructed of che frequent or prolonged contact is appropriate standards of Canada. Avoid prolonged and/or repeatine oprene or Tyvek®) if splashing long-sleeves, apron, boots and of Canada, the EU member state.  9. PHYSICAL  Aerosolized mist Solvent like NA NA   | ntilation re approventiate registrate registrate. Co ble eyen mical-resistrate registrates and or spreaddition es, or U.   | to effect opriate of the control of  | under ty uthorized you the side-s g spills on materials materials necessary mber state t. Use cle onditions a I protection IA.   | 434 NF nove and p nation equ pical circu per U.S. popropriate shield) at a r leaks. V a special able. Use uch as NIO such as II r, refer to Use ean and ir are presen n. If neces | standards  Il times will wazard; so equipmen SH (US) oneoprene J.S. OSH/   | of use require of Can: hen han gles and off lense to for EN 16 or heave A 29 CF | vapors le (e.g. e or hament in ada, its diling the direction of the control of th | or mist, sink, sindling. In 29 C province shield absorb a cation tes e rubbee 10.138, | If FR es, lact. d if and ted or if the og., lade |

# HARBOR FREIGHT TOOLS Quality Teols at Ridiculously Low Prices

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

# **SAFETY DATA SHEET**

SDS Revision: 1.1

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SDS Revision Date: 12/24/2015

9. PHYSICAL & CHEMICAL PROPERTIES - cont'd 9.9 Vapor Pressure: NA 9.10 Vapor Density > 1.0 (air = 1.0)9.11 Relative Density: 1.10 9.12 Solubility: NA 9.13 Partition Coefficient (log Pow): NA Autoignition Temperature: 9.14 NA 9.15 Decomposition Temperature: NA 9.16 NA 9.17 Other Information: Evaporation Rate: Faster than Ether; VOC: 39.11% v/v (62 % w/w) 10. STABILITY & REACTIVITY 10.1 Stability Stable under normal conditions; unstable with heat or contamination. 10.2 Hazardous Decomposition Oxides of Carbon (CO, CO<sub>2</sub>) and Nitrogen (NO<sub>x</sub>) Products: 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avoid Open flames, sparks, high heat, incompatible substances and direct sunlight 10.5 Incompatible Substances: Avoid extreme heat and ignition sources. Store away from oxidizers 11. TOXICOLOGICAL INFORMATION Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES 11.1 11.2 Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product, but is not presented in this document. 11.3 Acute Toxicity: Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea. 11.4 Chronic Toxicity: This material may aggravate any pre-existing skin condition (e.g., dermatitis) 11.5 Suspected Carcinogen: Toluene is listed as IARC Group 3 (Not classifiable as to its carcinogenicity to humans) Reproductive Toxicity: This product contains Toluene, a substance reported to produce reproductive toxicity in humans. Mutagenicity This product is not reported to produce mutagenic effects in humans. Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. Teratogenicity: This product is not reported to produce teratogenic effects in humans. Reproductive Toxicity: This product contains Toluene, a substance reported to produce reproductive toxicity in humans 11.7 Irritancy of Product: The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure. 11.8 Biological Exposure Indices: ΝE Physician Recommendations: Treat symptomatically. 12. ECOLOGICAL INFORMATION There are no specific data available for this product. 12.1 Environmental Stability: 12.2 Effects on Plants & Animals: There are no specific data available for this product. 12.3 Effects on Aquatic Life: There are no specific data available for this product. 13. DISPOSAL CONSIDERATIONS Waste Disposal: Dispose of in accordance with federal, state, provincial and local regulations 13.1 Special Considerations: 13.2

HARBOR FREIGHT TOOLS

Quality Teols at Ridiculously Low Prices

# **SAFETY DATA SHEET**

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 12/24/2015

|      |  | 14. TRANSPORTATION INFORMATION  |  |
|------|--|---|--|
|      |  | , proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Add<br>//CAO, IMDG and the CTDGR.   | ditional descriptive information   |
| 14.1 | 49 CFR (GND):                                      | CONSUMER COMMODITY, ORM-D (IP VOL ≤ 1.0 L) – until 12/31/20<br>UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L)  | <b>\rightarrow</b>   |
| 14.2 | IATA (AIR):  | CONSUMER COMMODITY, 9, ID8000 (IP VOL ≤ 0.5 L)<br>UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 1.0 L)  |  |
| 14.3 | IMDG (OCN):  | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L)   | $\Diamond$   |
| 14.4 | TDGR (Canadian GND):                               | MARK PACKAGE ("LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (IP VOL ≤ 1.0 L) or UN1950, AEROSOLS, FLAMMABLE, 2.1 (LTD QTY, IP VOL ≤ 1.0 L)  | <b>\( \rightarrow\)</b>  |
| 14.5 | ADR/RID (EU):                                      | UN1950, AEROSOLS, 2.1 (LTD QTY, IP VOL ≤ 1.0 L)   | $\Diamond$   |
| 14.6 | SCT (MEXICO):                                      | UN1950, AEROSOLES, 2.1 (CANTIDAD LIMITADA, IP VOL ≤ 1.0 L)  | $\Diamond$   |
| 14.7 | ADGR (AUS):  | UN1950, AEROSOLS, 2.1 ( LTD QTY, IP VOL ≤ 1.0 L)  | $\Diamond$   |
|      |  | 15. REGULATORY INFORMATION  |  |
| 15.1 | SARA Reporting<br>Requirements:                    | This product contains Toluene, a substance subject to SARA Title III, section 313 reporting reg   | uirements.   |
| 15.2 | SARA Threshold Planning Quantity:                  | There are no specific Threshold Planning Quantities for the components of this product.   |  |
| 15.3 | TSCA Inventory Status:                             | The components of this product are listed on the TSCA Inventory or are otherwise exempt.  |  |
| 15.4 | CERCLA Reportable Quantity (RQ):                   | Toluene: 454 kg (1,000 lbs)   |  |
| 15.5 | Other Federal Requirements:                        | <u>Toluene</u> is listed as Hazardous Air Pollutants (HAPs). <u>Toluene</u> is listed as Toxic Pollutants (CWA). <u>Toluene</u> is listed as Priority Pollutants under the CWA. This product does not conta ozone depletors.  |  |
| 15.6 | Other Canadian Regulations:                        | This product has been classified according to the hazard criteria of the CPR and the SDS cor all of the information required by the CPR. The components of this product are listed on DSL/NDSL. <u>Toluene</u> is listed on the Priorities Substances List.  WHMIS Class B5, D2B (Flammable Aerosols, Other Toxic Effects).   |  |
| 15.7 | State Regulatory Information:  Other Requirements: | Mineral Spirits is found on the following state criteria lists: Florida Toxic Substances List (FL), Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Knot Right-to-Know List (PA) and Washington Permissible Exposures List (WA).  Toluene is found on the following state criteria list: CA65, FL, MA, MI, MN, NJ, NY, PA, WA and No other ingredients in this product, present in a concentration of 1.0% or greater, are listed or criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substance Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous WARNING: This product contains a substance(s) known to the State of California to cause careproductive harm. California law requires this warning be given to customers in the State of California to cause careful careful in the State of California to cause careful careful in the State of California to California law requires this warning be given to customers in the State of California to California | ow List (NJ), Pennsylvania<br>d WI.<br>n any of the following state<br>Florida Toxic Substances<br>MI), Minnesota Hazardous<br>es List (NY), Pennsylvania<br>Substances List (WI).<br>ncer, birth defects or other |
| 15.8 | Oner Requirements:                                 | The primary components of this product are listed in Annex I of EU Directive 67/548/EEC:  Odorless Mineral Spirits: Flammable, Harmful (F, Xn). Risk Phrases (R): Flammable. Phrases (S): 9-16-33 - Keep container in a well-ventilated place. Keep away from source ignition - No smoking. Take precautionary measures against static discharges.  |  |

HARBOR FREIGHT TOOLS
Quality Tests at Hidiculously Low Prices

# **SAFETY DATA SHEET**

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision: 1.1 SDS Revision Date: 12/24/2015

|      | 16. OTHER INFORMATION |  |  |  |  |  |  |
|------|-----------------------|--|--|--|--|--|--|
| 16.1 | Other Information:    | DANGER! EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY BURST IF HEATED. HARMFUL IF SWALLOWED. CAUSES SKIN IRRITATION. CAUSES SERIOUS EYE IRRITATION. Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °F (122 °F). Wash thoroughly with soap and water after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Dispose of contents/container to licenses treatment, storage and disposal facility (TSDF). Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention. KEEP OUT OF REACH OF CHILDREN.  WARNING: This product contains a substance(s) known to the State of California to cause cancer, birth defects or other reproductive harm. |  |  |  |  |  |
| 16.2 | Terms & Definitions:  | See last page of this Safety Data Sheet.   |  |  |  |  |  |
| 16.3 | Disclaimer:           | This Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Harbor Freight Tools USA, Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.  |  |  |  |  |  |
| 16.4 | Prepared for:         | Harbor Freight Tools USA, Inc. 26541 Agoura Road Calabasas, CA 91302 USA Tel: +1 (805) 388-1000 http://www.harborfreight.com   |  |  |  |  |  |
| 16.5 | Prepared by:          | ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com   |  |  |  |  |  |

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## **DEFINITION OF TERMS**

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

#### **GENERAL INFORMATION:**

| CAS No.  | Chemical Abstract Service Number                          |  |  |  |  |
|----------|---|--|--|--|--|
| EXPOSURE | EXPOSURE LIMITS IN AIR:                                   |  |  |  |  |
| ACGIH    | American Conference on Governmental Industrial Hygienists |  |  |  |  |
| С        | Ceiling Limit   |  |  |  |  |
| ES       | Exposure Standard (Australia)                             |  |  |  |  |
| IDLH     | Immediately Dangerous to Life and Health                  |  |  |  |  |
| OSHA     | U.S. Occupational Safety and Health Administration        |  |  |  |  |
| PEL      | Permissible Exposure Limit                                |  |  |  |  |
| STEL     | Short-Term Exposure Limit                                 |  |  |  |  |
| TLV      | Threshold Limit Value                                     |  |  |  |  |
| TWA      | Time Weighted Average                                     |  |  |  |  |

#### FIRST AID MEASURES:

CPR Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body

### HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

| 0 | Minimal Hazard  |
|---|-----------------|
| 1 | Slight Hazard   |
| 2 | Moderate Hazard |
| 3 | Severe Hazard   |
| 4 | Extreme Hazard  |



## PERSONAL PROTECTION RATINGS:

| Α |  |  |  |
|---|--|--|--|
| В |  |  |  |
| С |  |  |  |
| D |  |  |  |
| E |  |  |  |
| F |  | The state of the s |  |











**Protective Clothing** & Full Suit

**Dust Respirator** 





**Full Face** 

Airline Hood/Mask or SCBA

## OTHER STANDARD ABBREVIATIONS:

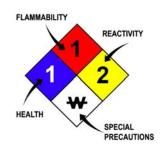
| ML    | Maximum Limit                      |  |
|-------|------------------------------------|--|
| mg/m3 | milligrams per cubic meter         |  |
| NA    | Not Available                      |  |
| ND    | Not Determined                     |  |
| NE    | Not Established                    |  |
| NF    | Not Found                          |  |
| NR    | No Results                         |  |
| ppm   | parts per million                  |  |
| SCBA  | Self-Contained Breathing Apparatus |  |

# NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

| FLAMMABILITY LIMITS IN AIR: |   |  |  |
|-----------------------------|---|--|--|
| Autoignition<br>Temperature | Minimum temperature required to initiate combustion in air with no other source of ignition   |  |  |
| LEL                         | Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source  |  |  |
| UEL                         | Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source |  |  |

#### HAZARD RATINGS:

| 0       | Minimal Hazard  |  |  |  |  |
|---------|-----------------|--|--|--|--|
| 1       | Slight Hazard   |  |  |  |  |
| 2       | Moderate Hazard |  |  |  |  |
| 3       | Severe Hazard   |  |  |  |  |
| 4       | Extreme Hazard  |  |  |  |  |
| ACD     | Acidic          |  |  |  |  |
| ALK     | Alkaline        |  |  |  |  |
| COR     | Corrosive       |  |  |  |  |
| ₩       | Use No Water    |  |  |  |  |
| ОХ      | Oxidizer        |  |  |  |  |
| TREFOIL | Radioactive     |  |  |  |  |



#### TOXICOLOGICAL INFORMATION:

| LD <sub>50</sub>   | Lethal Dose (solids & liquids) which kills 50% of the exposed animals s |  |  |  |  |
|--|---|--|--|--|--|
| LC <sub>50</sub>   | Lethal concentration (gases) which kills 50% of the exposed animal      |  |  |  |  |
| ppm  | Concentration expressed in parts of material per million parts          |  |  |  |  |
| TD <sub>io</sub>   | Lowest dose to cause a symptom  |  |  |  |  |
| TCLo   | Lowest concentration to cause a symptom                                 |  |  |  |  |
| TD <sub>Io</sub> , LD <sub>Io</sub> , & LD <sub>o</sub> or | Lowest dose (or concentration) to cause lethal or toxic effects         |  |  |  |  |
| TC, TC <sub>o</sub> , LC <sub>lo</sub> , & LC <sub>o</sub> |   |  |  |  |  |
| IARC   | International Agency for Research on Cancer                             |  |  |  |  |
| NTP  | National Toxicology Program   |  |  |  |  |
| RTECS  | Registry of Toxic Effects of Chemical Substances                        |  |  |  |  |
| BCF  | Bioconcentration Factor   |  |  |  |  |
| TL <sub>m</sub>  | Median threshold limit  |  |  |  |  |
| log K <sub>ow</sub> or log K <sub>oc</sub>                 | Coefficient of Oil/Water Distribution                                   |  |  |  |  |

#### REGULATORY INFORMATION:

| WHMIS    | Canadian Workplace Hazardous Material Information System                                 |  |  |  |  |  |
|----------|--|--|--|--|--|--|
| DOT      | U.S. Department of Transportation  |  |  |  |  |  |
| TC       | Transport Canada   |  |  |  |  |  |
| EPA      | EPA U.S. Environmental Protection Agency   |  |  |  |  |  |
| DSL      | Canadian Domestic Substance List   |  |  |  |  |  |
| NOHSC    | National Occupational Health and Safety Commission (Australia)                           |  |  |  |  |  |
| NDSL     | Canadian Non-Domestic Substance List   |  |  |  |  |  |
| PSL      | Canadian Priority Substances List  |  |  |  |  |  |
| TSCA     | U.S. Toxic Substance Control Act   |  |  |  |  |  |
| EU       | European Union (European Union Directive 67/548/EEC)                                     |  |  |  |  |  |
| WGK      | Wassergefährdungsklassen (German Water Hazard Class)                                     |  |  |  |  |  |
| HMIS-III | HMIS-III National Paint & Coatings Association Hazardous Materials Identification System |  |  |  |  |  |

#### WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

| ************ | Working Exists and Section 19 to 19 |            |          |            |            |           |          |  |  |
|--------------|---|------------|----------|------------|------------|-----------|----------|--|--|
|              | <b>*</b>  | <b>(2)</b> | (3)      | $\odot$    | (18)       |           |          |  |  |
| Class A      | Class B   | Class C    | Class D1 | Class D2   | Class D3   | Class E   | Class F  |  |  |
| Compressed   | Flammable   | Oxidizing  | Toxic    | Irritation | Infectious | Corrosive | Reactive |  |  |

## EC (67/548/EEC) INFORMATION:

| The state of the s |           | M         | *       |           |       | X        | ×       |
|--|-----------|-----------|---------|-----------|-------|----------|---------|
| С  | E         | F         | N       | 0         | Т     | Xi       | Xn      |
| Corrosive  | Explosive | Flammable | Harmful | Oxidizing | Toxic | Irritant | Harmful |

# CLP/GHS (1272/2008/EC) PICTOGRAMS:

|           |           |          | $\Diamond$  |           |       | $\Diamond$            |                  | *           |
|-----------|-----------|----------|-------------|-----------|-------|-----------------------|------------------|-------------|
| GHS01     | GHS02     | GHS03    | GHS04       | GHS05     | GHS06 | GHS07                 | GHS08            | GHS09       |
| Explosive | Flammable | Oxidizer | Pressurized | Corrosive | Toxic | Harmful<br>Irritating | Health<br>Hazard | Environment |