



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Degalvanizer

Synonyms :

Product Use: Galvanize build up remover

Manufacturer/Supplier

Hardcast
 900 Hensley Lane
 Wylie, TX 75098
Internet Address: www.Hardcast.com
Fax Number: (972) 442-0076

Phone Numbers

Medical Emergency:

CHEMTREC(USA): (800) 424-9300
CHEMTREC(International): (703) 527-3887
MSDS Assistance: (972) 442-6545
Fax On Demand: NA

2. COMPONENT INFORMATION

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	ISOBUTANE	75-28-5	20.0 %
02	C12-C14 ISOALKANES	68551-19-9	20.0 %
03	SEV. HYDRO LIGHT NAPHTHENIC DIST.	64742-53-6	20.0 %
04	SEV. HYDRO HEAVY NAPHTHENIC DIST.	64742-52-5	20.0 %
05	ALIPHATIC HYDROCARBON-STODDARD TYPE	8052-41-3	15.0 %
06	PROPANE	74-98-6	15.0 %
07	PRIMARY AMYL ACETATE	628-63-7	5.0 %
08	ZINC DIALKYL DITHIOPHOSPHATE	4259-15-8	5.0 %

ITEM	EXPOSURE LIMITS				COMPANY	SKIN
	ACGIH		OSHA			
TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA		
01	N.E.	N.E.	N.E.	N.E.	1000 ppm	NO
02	N.E.	N.E.	N.E.	N.E.	400 ppm	NO
03	5 mg/m3 MIST	10mg/m3 MIST	5 mg/m3 MIST	N.E.	N.E.	NO
04	5 mg/m3 MIST	10mg/m3 MIST	5 mg/m3 MIST	N.E.	N.E.	NO
05	100 ppm	N.E.	500 ppm	N.E.	N.E.	NO
06	2500 PPM	N.E.	1000 ppm	N.E.	N.E.	NO
07	50 ppm	100 ppm	100 ppm	N.E.	N.E.	NO
08	N.E.	N.E.	N.E.	N.E.	N.E.	NO

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors. Containers of this material may be hazardous when emptied since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Can cause severe irritation, redness, tearing, blurred vision.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation defatting, dermatitis.

EFFECTS OF OVEREXPOSURE - INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

EFFECTS OF OVEREXPOSURE - INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: kidney damage,

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT INHALATION EYE CONTACT SKIN ABSORPTION

4. FIRST AID INFORMATION

FIRST AID - EYE CONTACT: Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.

FIRST AID - SKIN CONTACT: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Get medical attention if irritation persists.

FIRST AID - INHALATION: Remove individual to fresh air. If breathing is difficult, administer oxygen. Give artificial respiration if breathing has stopped. Keep person warm and quiet. Get medical attention.

FIRST AID - INGESTION: Do not induce vomiting. Give two glasses of water if conscious. Never give anything by mouth to an unconscious person. Get immediate medical attention.

5. FIRE AND EXPLOSION INFORMATION

FLASH POINT: -156 F
(PENSKY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: 0.8 %
UPPER EXPLOSIVE LIMIT: 9.5 %

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: DRY CHEMICAL WATER FOG CO2 FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and travel along the ground or may be moved by ventilation and ignited by ignition sources at locations distant from material handling point. For aerosol products - exposure to temperatures over 130F may cause containers to burst releasing highly flammable gas.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode when fighting fires. Keep fire exposed containers cool with water fog.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition & ventilate area. Persons not properly equipped should be excluded from area. Stop spill at source - prevent spreading. Avoid inhalation of vapors. Avoid skin contact with liquid. Soak up on absorbent material and place into proper container for disposal. Use non-sparking scoops for flammable materials. Clean walking surfaces thoroughly to reduce slipping hazard.

7. HANDLING AND STORAGE INFORMATION

HANDLING: Containers of this material may be hazardous when emptied, since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze or use welding torch on containers. Intentional misuse by deliberately concentrating and inhaling the vapors from this product may be harmful or fatal.

STORAGE: Do not store above 120F. Do not store in direct sunlight. Keep away from heat sources, open flame, pilot lights, sparks, and other sources of ignition. Do not store above 120F. Do not store in direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

RESPIRATORY PROTECTION: If work place exposure limits of product or any component is exceeded, use a NIOSH/MSHA approved respirator. Consult your safety equipment supplier for recommendations.

SKIN PROTECTION: Wear impervious gloves if method of use involves skin contact with product. Consult your safety supply vendor for glove recommendations.

EYE PROTECTION: Wear safety glasses at minimum, more extensive protection may be necessary depending on how the product is to be used.

OTHER PROTECTIVE EQUIPMENT: Wear impervious clothing if bodily exposure is anticipated. Consult your safety supply vendor for recommendations.

HYGIENIC PRACTICES: Wash hands before eating or smoking. Smoke in designated areas only. Remove and launder clothing if contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : -44 - 551 F VAPOR DENSITY : Is heavier than air
ODOR : BANANA ODOR THRESHOLD : N.D.
APPEARANCE : LIGHT AMBER LIQ. EVAPORATION RATE: Is faster than Butyl
SOLUBILITY IN H2O : NEGLIGIBLE Acetate
FREEZE POINT : N.D. SPECIFIC GRAVITY: 0.7169
VAPOR PRESSURE : N.D. pH @ 0.0 % : N.A.
PHYSICAL STATE : LIQUID VISCOSITY : N.D.
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.D.

10. STABILITY AND REACTIVITY INFORMATION

CONDITIONS TO AVOID: Heat, sparks, welding arcs, open flame, pilot lights, static electricity or other source of ignition.

INCOMPATIBILITY: alkali, alkaline earth metals, strong inorganic acids, Nitric acid, sulfuric acid, strong oxidizers,

HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide and carbon dioxide, various hydrocarbons, phosphorous oxide, sulfur dioxide, alkyl sulfides, mercaptans, hydrogen sulfides,

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION (will only print available data)

No product or component toxicological information is available.

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

13. DISPOSAL INFORMATION

DISPOSAL METHOD: Dispose of in accordance with all local, state and Federal regulations.

14. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Aerosols

DOT TECHNICAL NAME:

DOT HAZARD CLASS: 2.1

HAZARD SUBCLASS: NONE

DOT UN/NA NUMBER: UN1950

PACKING GROUP: NONE

RESP. GUIDE PAGE: 126

ADDITIONAL INFORMATION: For domestic ground and air shipment this product may be shipped as a Consumer Commodity ORM-D. Outer cartons must have the ORM-D or ORM-D AIR designation. (our original cartons are preprinted with the ORM-D designation for ground shipment)

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD PRESSURIZED GAS HAZARD

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
ZINC DIALKYL DITHIOPHOSPHATE	4259-15-8	5.0 %

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME -----	CAS NUMBER
No information is available.	

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

: TSCA Inventory: All components of this product are on the US TSCA inventory.

16. OTHER INFORMATION

HMIS RATINGS - HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0

MSDS Revisions

Previous Version Date: 02/23/07

Section

Old Information:

New Information:

Prepared By: R & D

Date: 07/01/08

Disclaimer of Warranty: The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Carlisle Coating & waterproofing Inc. must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined