

SAFETY DATA SHEET

SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

TRADE NAME: GRAVITY PLUS®; GRAVITY PLUS ENHANCED®
MANUFACTURER: Midwest Industrial Supply, Inc
 1101 3rd Street SE
 Canton, OH 44707
EMERGENCY PHONE NUMBER: 330-456-3121
RECOMMENDED USE: Anti-sticking agent for material in metal containers
CHEMICAL NAME: Isoalkane
SYNONYMS: Anti-sticking agent

SECTION II -- HAZARDS IDENTIFICATION

CLASSIFICATION: Aspiration Hazard
SIGNAL WORD: Danger
HAZARD STATEMENT(S): May be fatal if swallowed and enters airway

Pictograms



Aspiration
 Toxicity

PRECAUTIONARY STATEMENT(S): Do not induce vomiting.
 If swallowed, contact medical professionals or poison control.
 Flush eyes for several minutes.
 Wash hands and exposed areas thoroughly.

OTHER HAZARDS: None

SECTION III -- COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	WT %
Severly hydrotreated, high viscosity, synthetic iso-alkane	72623-86-0	>50 %
Non-chlorinated metal conditioner	non hazardous	< 2%

SECTION IV -- FIRST AID MEASURES

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INHALATION:	Move subject to fresh air. If victim is not breathing, perform artificial respiration. Administer oxygen if available. Keep victim warm and at rest. Seek medical attention as soon as possible.
SKIN:	Flush with large amount of water or wash with soap and water. Seek medical attention as soon as possible.
EYES:	Flush eyes with flowing water at least 15 minutes. Get medical attention. Do not use any eye ointment. Remove contact lenses.
INGESTION:	DO NOT induce vomiting because of aspiration into the lungs. GRAVITY PLUS® has a laxative effect and will be eliminated quickly. Seek medical attention. NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.
RECOMMENDATION TO FIREFIGHTERS ON SPECIAL PROTECTIVE EQUIPMENT OR PRECAUTIONS:	Respiratory and eye protection are required for firefighting personnel. Self contained breathing apparatus (SCBA) as required for conditions.

SECTION V -- FIREFIGHTING MEASURES

EXTINGUISHING MEDIUM:	As this material is virtually not-flammable, use proper equipment to fight surrounding fire.
SPECIAL FIREFIGHTING PROCEDURES:	If a tank, railcar or tank truck is involved in a fire isolate for 0.5 miles in all directions. Shut off fuel to fire if it is possible to do so without hazard. If this is impossible, withdraw from the area and let the fire burn itself out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	None
SPECIAL HAZARDS:	Do not cut, weld, heat, drill, or pressureize empty container.

SECTION VI -- ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Safety glasses and gloves
SPILL AND LEAK PROCEDURES:	ELIMINATE ALL IGNITION SOURCES. Stop leak without risk and contain spill. Absorb with inert absorbent materials such as clay or sand. Place absorbent in closed metal containers for later disposal or burn in appropriate facility. Keep spills out of sewers and open bodies of water.

SECTION VII -- HANDLING AND STORAGE

STORAGE:	Store locked up. Keep in cool, dry, ventilated storage area and in closed containers. Keep away from sources of ignition and oxidizing materials.
HANDLING:	KEEP AWAY FROM SOURCES OF IGNITION. Do not reuse empty containers. Practice good hygiene. Wash hands before eating. Launder clothes before reuse. Discard saturated leather goods.

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SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

ACGIH 8 hour TLV-TWA	5 mg/m ³ for synthetic product mists.
VENTILATION:	Under normal handling conditions special ventilation is not necessary. If operation generates mist or fumes, use ventilation of keep exposure to airborne contaminants below exposure limits.
RESPIRATORY PROTECTION:	None required if good ventilation is maintained. If mist is generated by heating or spraying, use a NIOSH approved organic respirator with a mist filter.
EYE PROTECTION:	Chemical splash, goggles recommended.
PROTECTIVE CLOTHING:	Clothing to minimize skin contact, long sleeves, boots or shoes. For casual contact PVC gloves are suitable, for prolonged contact use neoprene or nitrile gloves.

SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Odor:	None
Vapor Density:	N/D
Solubility in Water:	Insoluble
Relative Density:	0.83 g/mL @ 68°F
Melting/Freezing Point:	N/D
VOC Content:	N/D
Viscosity:	26-40 cSt @ 22°C
Flashpoint:	>170°C (>338°F)
Flammable Limits LEL:	N/D
Flammable Limits UEL:	N/D
Odor Threshold:	N/D
Initial Boiling Point/Range:	>316°C (601°F)
Vapor Pressure:	Negligible at ambient temperature
Evaporation Rate:	N/D
pH:	N/A, not an aqueous solution or emulsion
Octanol/Water Coefficient:	N/D
Decomposition Temperature:	N/D
Flammability (solid/gas):	N/A
Auto Ignition Temperature:	351°C (664°F)

SECTION X -- STABILITY AND REACTIVITY

REACTIVITY:	None
CHEMICAL STABILITY:	Stable

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CHEMICAL INCOMPATIBILITY:	Can react with strong organic oxidizing materials
HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide, smoke, hydrocarbons and irritating fumes.
HAZARDOUS POLYMERIZATION:	Does not occur under normal industrial conditions.
CONDITIONS TO AVOID:	Excessive heat and flame

SECTION XI -- TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE

INHALATION:	Inhalation is highly unlikely, however, prolonged or repeated inhalation of fumes or mists may cause irritation to the respiratory tract. Product deposits in lungs may lead to fibrosis and reduced pulmonary function.
SKIN:	It is not a skin irritant, however, prolonged or repeated contact may cause skin irritation, dermatitis, or oil acne.
EYES:	Prolonged or repeated contact may be irritating to eyes. Will not cause permanent damage.
INGESTION:	Relatively non-toxic to digestive tract.
CARCINOGENICITY:	Based on studies to date GRAVITY PLUS® is not known to be carcinogenic to humans. ACGIH (mists) - Based on available human studies, exposure to product mist alone has not demonstrated to cause human effects at levels below 5 mg/m ³ . IARC - IARC group 3; cannot be classified as to carcinogenicity to humans. NTP - No studies were found. IRIS - No studies were found. OSHA - OSHA PEL (8 hour TWA) = 5 mg/m ³ for synthetic product mists.
GERM CELL MUTAGENICITY:	Mutagenic activity tests are negative toward Salmonella Typhimurium, Salmonella-Escherichia coli, and Chinese Hamster ovary.
REPRODUCTIVE TOXIN:	Based on data to date, it does not pose a reproductive risk.

SECTION XII -- ECOLOGICAL INFORMATION

Acute oral toxicity toward aquatic species is not to los. LC50 rainbow trout > 500,000 ppm in 96 hrs. LC50 Mysidopsis bahai >500,000 ppm. Readily biodegradable. Potential for food chain concentration is low. When properly used and applied SO Kleen is not know to pose any ecological problems.

SECTION XIII -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Consult your local authorities for regulations. Preferred waste management: recycle or reuse, incinerate with energy recovery, disposal in a licensed facility. Disposal facility should be compliant with state, local and federal government regulations.



GRAVITY PLUS® SERIES

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SECTION XIV -- TRANSPORTATION INFORMATION

DOT HAZARDOUS MATERIAL DESCRIPTION: Non-regulated
PROPER SHIPPING NAME: GRAVITY PLUS®
UN NUMBER: N/D
HAZARD CLASS/PACKAGING GROUP: Non-regulated
LABELS REQUIRED: None

SECTION XV -- REGULATORY INFORMATION

NFPA RATING:	Health:	1	HMIS RATING:	Health:	1
	Flammability:	1		Flammability:	1
	Instability:	0		Physical Hazard:	0
				PPE:	B

EPA SARA Title III hazard class: None
OSHA HCS hazard class: Aspiration toxicity
EPA SARA Title III Section 313 (40CFR372)
Toxic Chemicals present in quantities greater than the "de minimus" level are: None
TSCA: Components of this product are listed on TSCA inventory
Canadian WHIMIS: This product is not a "controlled product" under the Canadian Workplace Hazardous Material Information System.
Canadian DSL: All components of this product are listed on Domestic Substance List.
California Proposition 65: Does not contain any Prop 65 chemicals.

SECTION XVI -- OTHER INFORMATION

LATEST REVISION: 21-May-15

ABBREVIATIONS AND SYMBOLS:

N.D. Not Determined N.A. Not Applicable N.T. Not Tested
< Less Than > More Than