

Creation date: Revision date: December 10, 2009 September 22, 2015

SAFETY DATA SHEET (SDS)

SAFEIT DATA SHEET (SUS)					
•PRODUCT NAME •NAME OF SUPPLIER •ADDRESS	Romanoff International Supply Corp. 9 Deforest Street Amityville, NY 1170				
•TELEPHONE NUMBER					
• EMERGENCY NUMBER	CHEMTEL, ACCOUNT #MIS4594445				
		TRALIA: 1-300-954-583 BRAZIL: 0-800-591-6042			
		00-100-4086 MEXICO: 01-800-099-0731			
	ALL OTHER COUNTRIES: 1-813-248	-0585			
2. HAZARDS INDENTIFICA	TION				
GHS CLASSIFICATION	EXPLOSIVES:	NOT APPLICABLE			
PHYSICAL HAZARDS		NOT APPLICABLE			
		NOT APPLICABLE			
		NOT APPLICABLE			
	GASES UNDER PRESSURE:	NOT APPLICABLE			
		NOT APPLICABLE			
		CLASSIFICATION NOT POSSIBLE			
	SELP-REACTIVE SUBSTANCES AND MIXTUR				
	PYROPHORIC LIQUIDS;	NOT APPLICABLE			
	PYROPHORIC SOLIDS;	NOT CLASSIFIED			
	SELF-HEATING SUBSTANCES AND MIXTURE				
	SUBSTANCES AND MIXTURES WHICH, IN				
	CONTACT WITH WATER, EMIT FLAMMABLE				
	OXIDIZING LIQUIDS;	NO APPLICABLE			
	OXIDIZING SOLIDS;	CLASSIFICATION NOT POSSIBLE			
	ORGANIC PEROXIDES;	CLASSIFICATION NOT POSSIBLE			
	CORROSIVE TO METALS;	CLASSIFICATION NOT POSSIBLE			
HEALTH HAZARDS	ACUTE TOXICITY - ORAL	CLASSIFICATION NOT POSSIBLE			
	ACUTE TOXICITY - SKIN				
	ACUTE TOXICITY - IHALATION; GAS;				
	ACUTE TOXICITY - INHALATION; GAS;				
	ACUTE TOXICITY - INHALATION; VAPOUR				
	ACUTE TOXICITY - INHALATION: DUST; ACUTE TOXICITY - INHALATION; MIST;	CLASSIFICATION NOT POSSIBLE			
	SKIN CORROSION/IRRITATION;	CATEGORY 3			
	SERIOUS ETE DAMAGE/ETE IRRITATION,	CLASSIFICATION NOT POSSIBLE			
	SERIOUS EYE DAMAGE/EYE IRRITATION; RESPITATORY SENSITIZATION;	GLASSIFICATION NOT POSSIBLE			
	SKIN SENSITIZATION,	ULASSIFICATION NUT PUSSIDLE			
	GERM CELL MUTAGENICITY;				
		CLASSIFICATION NOT POSSIBLE			
	REPRODUCTIVE TOXICITY:				
	-SINGLE EXPOSURE;	ICITY; CATEGORY 3-RESPIRATORY TRACT IRRITATION			
		ICITY; CATEGORY 1-INHALATION; LUNG, CENTRAL			
	-REPEATED EXPOSURE;	NERVOUS SYSTEM			
	AS@ORATOPM JAZARD:	CLASSIFICATION NOT POSSIBLE			
	-				
ENVIRONMENTAL HAZARDS	-ACUTE;	INT OLASSIFICATION NUT FUSSIDLE			
	HAZARDOUS TO THE AQUATICENVIRONME				
	-CHRONIC;	INT OLASSITIONTION NOT FUSSIBLE			
		CLASSIFICATION NOT POSSIBLE			
	INZANDOUG TO THE OZONE LATEN	OLASSI IVATION NOT TOSSIDLE			

GHS LABEL ELEMENTS PICTOGRAMS/SYMBOLS; SIGNAL WORD;	DANGER	
HAZARD STATEMENTS;	CAUSS MILD SKIN IRRITATION	
	MAY CAUSE REPIRATORY IRRITATION	
	CAUSE DAMAGE TO LUNG, CENRAL NERVOUS SYSTEM THROUGH PROLONGED OR REPEATED EXPOSURE.	
PREAUTONARY STATEMENTS		
PREVENTION;	DO NOT EAT, DRONG OR SMOKE WHEN USING THPS PRODUCT	
	USE ONLY OUTDOOR OR IN WELL-VENTILATED AREA.	
	DO NOT BREATH DUST. WEAR PROTECTIVE EYEGLASSES AS NEEDED.	
	WEAR RESPIRATORY PROTECTION/FACE PROTECTION/PROTECEIVE GLOVES/GOGGLES AND CLOTHING.	
	WASH HANDS THOROUGHLY AFTER HANDLING.	
RESPONSE;	IF INHALED, REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION CONFORTABLE	
	FOR BEATING.	
	IF YOU FEEL UNWELL, GET MEDICAL ATTENTION.	
STORAGE;	STORE IN A WELL-VENTILATED/COOL PLACE.	
DISPOSAL:	DISPOSE OF CONTENTS /CONTAINER IN ACCORDANCE WITH LOCAL /REGIONAL /NATIOAL	
	/INTERNATIONAL REGULATIONS. DISPOSE OF CLEANING SOLUTION AFTER MAKING HARMLESS.	

3. COMPOSITION/INFORMATION ON INGREDIENTS:

SUBSTANCE/MIXTURE	: MIXTURE	
Chemical name	CAS No.	Concentration (%)
ALUMINUM OXIDE	1344-28-1	70. 7%
FATTY ACID	57-10-3	25.8%
OTHER(WAX AND ETC.)		3.5%

CHEMICAL FORMULA (CONSTITUTIONAL FORMULA, STRUCTUAL FORMULA) : $\alpha -A|_20_3$, Si $0_2 Na_20_2$ CSCL No : 2-608 CAS No : 1344-28-1, 57-10-3, 57-11-4, 91078-95-4

- 4. FIRST-AID MEASURES
 - INHALATION: REMOVE CICTIM TO FRESH AIR AND KEEP AT REST IN APOSITION COMFORTABLE FOR BREATHING. IF YOU FEEL UNWELL, GET MEDICAL ADVICE/ATTENTION.
 - SKIN CONTACT: REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMNATED CLOTHING. RINSE SKIN IMMEDIATELY WITH WATER/SHOWER.
 - EYE CONTACT: RINSE CAUTIOUSLY WITH WAT3R FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ATTENTION/ADVICE.
 - INGESTION: RINSE MOUSE IMMEDIATELY WITH WTER, CALL A DOCTOR IMMEDIATELY.

5. FIRE-FIGHTING MASURES SUITABLE EXTINGUISHING MEDIA: IN CASE OF INITIAL FIRES, USE FIRE-EXTINGUISHING POSWER/FORM, CARBON DIOXIDE OR DRY SAND. IN CASE OF LARGER FIRES, EFFECTIVE TO SHUT OFF AIR USING FIRE-EXTINGUISHING FOAM AND OTHERS. UNSUITABLE EXTINGUISHING MEDIA: USING WATER MAYBE DANGEROUS TO SPREAD FIRES.

6. ACCIDENTAL RELEASE MEASURES PERSONAL PRECAUTONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE: WEAR PROPER PROECTIVE EQUIPMENT (GLOVES/GOGGLES/CLOTHING AND HIGH BOOTS) METHOD AND MATERIALS FOR CONTAMINANT COLLECT SPILLED MATERIAL INTO EMPTY CONTAINERS. AND CLEANING UP:

7.	7. HANDLING AND STORAGE			
	HANDLING			
	TECHNICAL MEASURE ACCORDING	G TO "8" EXPOSURE CONTROLS/PERSONAL PRORECTION", PUT FAQCILITY		
	MEASURE	INTO OPERATION AND WEAR PROTECTIVE EQUIPMENT.		
	LOCAL-VENTILLATION/WHOLE VENTIL	LATION: ACCORDING TO "8" EXPOSURE CONTROLS/PERSONAL PROTECTION",		
PUT FACILITY MEASURES INTO OPERATION (LOCAL-VENTI				
		WHOLE VENTILATION).		
	NOTE: USE ONL: OUTDOORS OR IN WE	ELL-VENTILATED AREA. DO NOT CONTACT/BREATHE/SWALLOW.		
DO NOT BREATHE POWDER DUST. WASH HANDS THOROUGHLY AFTER HANDLING.				
STORAGE:				
	TECHNICAL MEASURE:			
		DAYLIGHTING TO HANDLE.		
	INCOMPATIBLE SUBSANCES:	REFERENCE TO "10. STABILITY AND REACTIVITY".		
	STORAGE CONDITION: PACKING MATERIALS:	KEEP AWAY FROM HIGH HEAT AND STORE IN A WELL VENTILTED/COOL PLACE.		
	PACKING MATERIALS:	USE A BREAK-PROOF PACKAGE.		
•				
8.	EXPOSURE CONTROLS/PERSONAL PROTECT			
		VENTILATE TO AVOID INHALATION OF DUST.		
	PERSONAL PROECTIVE EQUIPMENT			
	RESPIRATORY PROTECTION:	WEAR APPROPRIATE RESPIRATORY PROTECIVE EQUIPMENT, DUST-PROOF MASK AND OTHERS.		
	HAND POTECTION:	WEAR APPROPRIATE PROTECTIVE GLOVES, LEATHER GLOVES AND OTHERS.		
	EYE PROTECTION:	WEAR PROTECTIVE GLASSES (ORDINARY GLASES TYPE, GOGGLE TYPE AND OTHERS)		
		WER PROTECTIVE CLOTHING AND SAFETY SHOES.		
	SKIN AND DODT FROTEGIION.	WER FROTEGITIVE GEOTITING AND SALETT SHOES.		
9	PHYSICAL AND CHEMICAL PROPERTIES			
•••	APPEARANCE:	WHITE OR GRAY SOLD		
	ODOR :	SLIGHT ODOR, FATTY ACID		
	PH:	NEUTRAL		
	MELTING POINT/FREEZING POINT	NO DATA		
	INITIAL BOILING POINT AND BOILING	RANGE: NO DATA		
	FLASH POINT:	180~230°C		
	SPECIFIC GAVITY:	2 (25°C)		
	EXPLOSION LIMIT:	NO DATA		
	VAPOUR PRESSURE:	NO DATA		
	VAPOUR DENSITY:	NO DATA		
	RELATIVE DENSITY:	NO DATA		
	SOLUBILITY:	INSOLUBLE IN WATER		
PARTITION COEFFICIENT: N-OCTANOL/WATER: NO DATA				
	AUTO-IGNITION TEMPERATURE:	NO DATA		
	DECOMPOSITION TEMPERATURE:	NO DATA		
10	. STABILITY AND REACTIVITY			
STABILITY AND REACTIVITY		STABLE UNDER NORMAL CONDITION (ROOM TEMPERATURE)		
POSSIBILITY OF HAZARDOUS RACTIONS:				
CONDITION TO BE AVOIDED:		SPREAD OF DUST		
		DO NOT STORE TOGETHER WITH ACID/ALKALINE MATERIALS.		
	HAZARDOUS DECOMPOSITION PRODUCTS:			

11. TOXICOLOGINAL INFORMATION ACUTE TOXICITY:	ALUMINIUM OXIDE LD50>5000 MG/KG (RAT.ORAL) FATTY ACID LDL0 4640 MG/KG (RAT)			
SKIN & EYE CORROSION/IRRITATION:	IT IS POSSIBLE TO CUASE IRRITATION TO RESPIRATION ORGAN, SKIN AND MUCOUS MEMBRANE.			
SERIOUS EYE DAMAGE/EYE IRRITATION: RESPIRATORY SENSITIZATION: SKIN SENSITIZATION: GEM CELL MUTAGENICITY: CARCINOGENICITY: REPRODUCTIVE TOXICITY:	NO DATA NO DATA			
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY: ALUMINIUM OXIDE IS CLASSFIED CTATEGORY 3 (REESPIRATORY TRACT IRRITATION) BASED ON ENROLLMENT "UPPER RESPIRATORY TRACT IRRITATION". THE PRODUCT IS CLASSFIED CATATEGORY 3 TO CONTAIN ALUMINIUM OXIDE BY 20% AND OVER.				
PROCEDURES HAZARDOS INGREDIENTS THE LABOR INDUSTRIAL SAFETY AND HEALTH LAW. ARTICLE 57 DESIGNATED CHEMICAL SUBSTANCE 190 ALUMINUM OXIDE APPROX. 70%				
3. SUMMARY OF HAZARDS IDENTIFICATION ADVERSE HUMAN HEALTH EFFECTS: IN CASE OF NORMAL HANDLING, TOXICITY AND IRRITANT PROPERTIES ARE CONSIDERED TO BE LOW. BUT IT IS POSSIBLE TO OCCUR COMPARATIVE SLIGHT IRRITANT TO EYES, RESPIRATION ORGAN SKIN AND MUCOUS MEMBRANE. ENVIRONMENTAL EFFECTS : THE FATTY ACID CONTAINED IN THIS PRODUCT IS JUDGED TO BE GOOD AT				
RESC PHYSICAL AND CHEMICAL HAZARDS: IF T IGNI FLAM	THE FATTY ACID CONTACTS (BECOME HIGH TEMPERATURE) TO THE SOURCE OF THE FATTY ACID CONTACTS (BECOME HIGH TEMPERATURE) TO THE SOURCE OF TION, IT WILL FLASH AND BURN. (THE LAW OF FIRE FIGHTING. DESIGNATED MABILITY) OR CONTACT TO ALCARI, IT WILL GENERATE FEVER.			
CLASS NAME: (JAPANESE STYLE) NOT	APPLICABLE			
MOVE	ASE OF A LOT OF DUST INHALATION DURING POLISHING OPERATION, LET THEM TO THE PLACE OF FRESH AIR AND BLOW ONE'S NOSE, GORGLE AND LET DUST DEPENDING UPON THE CONDITION OF DISEASES, CONSULT WITH DOCTOR.			
SKIN CONTACT : WIPE TROU	WITH A PIECE OF CLOTH AND WASH WITH SOAP AND WATER. IF YOU FEEL SKIN BLE, PUT PROTECTIVE CREAM. DIATELY WASH EYES WITH CLEAN WATER UNTIL REDUCTION OF IRRITATION BUT.			
DO N IF Y INGESTION : RINS CONS	NOT RUB EYES AS GRAIN IN ABRASIVES IS CONTAINED. CONSULT WITH DOCTOR YOU FEEL PAIN AND IRRITATION. E MOUTH WITH WATER. IF THE VICTIM SWALLOWS A LOT, MAKES HIM VOMIT AND ULT WITH DOCTOR IMMEDIATELY. IF THE VICTIM IS IN THE CONDITION OF CRAMP NCONSCIOUSNESS, NEITHER GIVE ANYTHING TO DRINK NOR MAKE TO VOMIT.			

5. FIRE FIGHTING & MEASURES FIRE FIGHTING MEDIA: POWDER, CARBON DIOXIDE, BUBBLE, HALOGEN SUBSTANCE, FORTIFICATION LIQUID, DRYED SAND. ETC. CAUTION !! DO NOT APPLY ANY WATER AS FIGHTING MEDIA AS IT WILL GENERATE FIRE AND DANGEROUS. FIRE FIGHTING PROCEDURES: SHUT OFF FUEL TO FIRE AND IN THE BEGINNING OF FIRE. DRY CHEMICAL POWDER. CARBON DIOXIDE OR DRY SAND ARE USED. IN CASE OF LARGE-SCALE FIRE, FOAM EXTINGUISHING MEDIA IS EFECTIVE TO SHUT OFF AIR. REMOVE CONTAINERS TO A SAFE PLACE, IF FEASIBLE. EVACUATE NON ESSENCIAL PERSONNEL. PROTECTION FOR FIRE FIGHTERS: THIS PRODUCT GENERATES CARBON OXIDES, HYDROGEN CARBON UPON COMBUSTION. SO. FIRE FIGHTING SHOULD BE DONE FROM UP-WIND WITH PROPER PROTECTIVE EQUIPEMENT. 6. ACCIDENTAL RELEASE MEASURES : WEAR PROPER PROTECTIVE EQUIPMENT. FOR HUMAN BODY FOR ENVIROMENTAL EFFECTS : DO NOT WASH AWAY INTO SHOWER OR WATERWAY. ABSORB FLAKES AND FLASH WITH DETERGENT OR PLENTY AMOUNT OF WATER. FOR REMOVAL

FOR PREVENTION OF FURTHER DISASTER: THOUGH THE FLASH POINT OF FATTY ACID CONTAINED IN THIS PRODUCT IS HIGH, IT IS DESIRABLE TO REMOVE SUBSTANCE IMMEDIATELY WHICH WILL BE THE SOURCE OF IGNITION AROUND AND PREPARE FOR EXTINGUISHING MATERIALS.

7. HANDLING AND STORAGE

HANDLING : ENGINEERING MEASURES (PREVENTION OF EXPOSURE AND FIRE EXPLOSION).

 IN CASE OF POLISHING OPERATION BY BUFFS WITH POLISHING COMPOUNDS, DUST GENERATES BY THE MATERIALS OF BUFFS AND GRAIN OF THE POLISHING COMPOUNDS ETC. IF YOU INHALATE DUST OF THESE POWDER AND FABRICS OF BUFFS FOR A LONG TIME, IT SPOILS LUNG ORGAN SLOWLY AND CAUSED HEART AND LUNGS DISEASES. THEREFORE, IT IS NECESSARY TO WEAR A PROTECTIVE MASK FOR PREVENTION OF INHALATION.
WHEN USING OUTSIDE, OPERATE UPWIND AS MUCH AS POSSIBLE YOU CAN.

REMARKS

(LOCAL EXHAUST VENTILATION, GOOD GENERAL VENTILATION AND THE PREVENTION OF AEROSOL AND DUST GENERATION)

- ACCORDING TO THE CHAPTER 576&577 OF "LABOUR SAFETY AND HEALTH LAW" A WORKSHIP GENERATING FINE DUST SHOULD BE DESIGNATED AS A HAZARDOUS WORKSHIP AND AS A RULE, THE EMPLOYERS ARE OBLIGED TO TAKE THE NECESSARY PROCEDURES. FOR THE PREVENTION OF FINE DUST OBSTACLES SUCH AS NOT TO BE HARMFUL OF LOCAL EXHAUST VENTILATION AND GENERAL VENTILATION (NO. 22 ARTICLE OF LOABOUR SAFETY AND HEALTH LAW).
- · NOT TO SCATTER LEA AND FLOOD, AND NOT LET THEM GENERATE VOPOUR.
- IF THIS PRODUCT ADHERES TO THE CONTROL PART OF FOLKLIFT, IT FEARS THAT THE CONTROL DOES NOT WORK, SO PRACTICE TO CLEAN INSIDE OF THE WORKING PLACE.

SAFETY HANDLING (PREVENTION OF MIXTURE CONTACT, AVOIDANCE OF CONTACT)

- · KEEP AWAY FROM THE SOURCE OF IGNITON.
- · AVOID FROM CONTACT BETWEEN HIGH TEMPERATURED MATERIALS AND STRONG OXIDIZING AGENTS.

STORAGE:

ADEQUATE STORAGE CONDITION

- AVOID FROM DIRECT SUNSHINE AND KEEP COATED ABRASIVE IN MODERATE CONSTANT TEMPERATURE.
- AVOID FROM CONTACT WITH ALKALIC SUBSTANCE.
- 8. EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING MEASURES

- SET UP DUST COLLECTION DEVICE ON BUFF POLISHING DEVICE, TO SHUT OUT THE SOURCE OF GENERATION OF POLISHING DUST AND LOCAL EXHAUST VENTILATION.
- \cdot TO SET UP A WASH ROOM NEAR HANDLING PLACE AND INDICATE THE PLACE CLEARLY.

PROTECTION RESPIRATORY PROTECTION: DUST RESPIRATOR : RUBBER GLOVE HAND PROTECTION EYE PROTECTION : SAFETY GOGGLES HAND. SKIN. AND BODY PROTECTION : RUBBER BOOTS AND APRON AS APPROPRIATE. ADEQUATE HYGIENE MEASURES THE CHANGE OF MASK CAN BE DONE PERIODICALLY IN USE. 9. PHYSICAL AND CHEMICAL PROPERTIES PHYSICAL STATE FORM FORM : SOLID COLOUR : WHITE OR GRAY ODOUR : FATTY ACID PH : NEUTRAL PHYSICAL STATE (SPECIFIED TEMPERATURE/TEMPERATURE SCOPE) BOILING POINT : 232°C (15mmHg) MELTING POINT : 55°C : 180~230°C FLASH POINT SPECIFIC GRAVITY : 2 (25°C) SOLUBILITY FOR SOLVENT : DIFFICULT TO DISSOLVE WATER ASETON, ALCOHOL, ETHER, CHLORO FORM, BENZENE AND HEXANE : VERY SOLUBLE 10. STABILITY AND REACTIVITY STABILITY : STABLE IN NORMAL CONDITION REACTIVITY : THE FATTY ACID CONTAIND IN THIS PRODUCT HAS LESS PHYSICAL HAZARD AND HARMFUL. HOWEVER, IT REACTS WITH ALKALI SUBSTANCE SUCH AS POTASH SODA AND POTASH POTASSIUM AND GENERATE SALT EASILY. AVOIDABLE CONDITIONS: THE HANDLING UNDER THE NORMAL CONDITION IS STABLE. BUT ITS SHOWS CORROSION ONCE IT CONTACTS WITH METAL SUCH AS IRON AND COPPER FOR A LONG TIME AFTER SOLUTION OF THE PRODUCT. PHYSICAL HAZARD AND DECOMPOSTION PRODUCTS: NOT APPLICABLE. 11. TOXICOLOGICAL INFORMATION ACUTE TOXICITY : NOT APPLICABLE PARCIAL EFFECTS (SKIN AND EYES) IT IS POSSIBLE TO CAUSE IRRITATION TO RESPIRATION ORGAN, SKIN AND MUCOUS MEMBRANE. : 12. ECOLOGICAL INFORMATION BIOACCUMULATION AND BIODEGRADABILITY: THE FATTY ACID CONTAINED IN THIS PRODUCT IS JUDGED TO BE GOOD IN BIODEGRADABILITY. 13. DISPOSAL CONSIDERATION IN ADDTION TO THE ARTICLE "HANDLING AND STORAGE". IT SHOULD BE DISPOSED BY THE APPLICABLE RULES. 14. TRANSPORT INFORMATION INTERNATIONAL AGREEMENT: NOT APPLICALBE

CLASSIFICATION OF THE UNITED NATIONS: THE FATTY ACID CONTAINED INT THIS PRODUCT IS NOT APPLICABLE TO THE STANDARD OF THE UNITED NATIONS.

15. REGULATORY INFORMATION

ALUMINUM OXIDE

LABOUR SAFETY AND HEALTH LAW, WASTE DISPOSAL PREVENTION LAW. HEART AND LUNGS DISEASES LAW, HEART AND LUNGS EXCUTION & RULE. FATTY ACID

- FIRE FIGHTING LAW: NON-DENGEROUS SUBSTANCE, DESIGNATED COMBUSTIBILITY, COMBUSTIBLE SOLID TYPE (DESIGNATED AMOUNT 3,000 kgs).
- 16. OTHER INFORMATION

REFERENCES

- 1) GUIDELINES TO PREPARE MSDS
- 2) CHEMICAL PRODUCTS OF 14705
- 3) MSDS OF EACH MATERIAL USED

SUPPLEMENT

THE INFORMATION MENTIONED HERE IS BASED UPON DATA BELIEVED TO BE CORRECT, BUT NO GUARANTEE CAN BE MADE WITH IT. SINCE YOUR CONDITION OF USE IS BEYOND OUR MANAGEMENT AND RESPONSIBILITY, PLEASE MAKE SURE TO BE CAREFUL IN HANDLING IT.

REGULATIONS IN "MSDS" ARE JAPANESE ONES. IF YOU USE IT IN OTHER COUNTRIES, FOLLOW FEDERAL OR LOCAL REQULATIONS IN THE COUNTRY.